SERVICE 1950 MANUAL 4400





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INTRODUCTION

This service manual was prepared for use by Authorized Warranty Stations and contains service information for Marantz Model 2250 Stereophonic Receiver.

Servicing information and voltage data included in this manual are intended for use by the knowledgeable and experienced technician only. All instructions should be read carefully. No attempt should be made to proceed without a good understanding of the operation of the receiver.

The parts list furnishes information by which replacement parts may be ordered from the Marantz Company. A simple description is included for parts which can usually be obtained through local suppliers.

1. P.W. Board

As can be seen from the circuit diagram the chassis of Model 2250 consists of the following units. Each unit mounted on a printed circuit board is described within the square enclosed by a bold dotted line on the circuit diagram.

1. FM Front End	Mounted on P.W. Board, P100
2. AM Tuner	Mounted on P.W. Board, P150
3. FM — IF	Mounted on P.W. Board, P200
4. MPX	Mounted on P.W. Board, P300
5. ANT. Muting VR	Mounted on P.W. Board, PU01
6. Dolby Level	Mounted on P.W. Board, PC01
7. Phono Amp	Mounted on P.W. Board, P400
8. Dial Lamp	Mounted on P.W. Board, PZ01
9. Monitor, SW	Mounted on P.W. Board, PT01
10. Function Lamp	Mounted on P.W. Board, PY01
11. Pre Tone Amp	Mounted on P.W. Board, PE01
12. Filter, SP SW	Mounted on P.W. Board, PH01
13. Power Amp	Mounted on P.W. Board, P700
14. Power Supply	Mounted on P.W. Board, P800

2. TEST EQUIPMENT REQUIRED FOR SERVICING

Table 1 lists the test equipment required for servicing the Model 2250 Receiver.

Item	Manufacturer and Model No.	Use
AM Signal Generator		Signal source for AM alignment.
Test Loop		Used with AM signal generator.
FM Signal Generator	Less than 0.3% distorsion	Signal source for FM alignment.
Stereo Modulator	Less than 0.3% distorsion	Stereo separation alignment and trouble shooting.
Frequency Counter		MPX Oscillator adjustment (VCO).
Audio Oscillator	Weston Model CVO-100P, less than 0.02% residual distortion is required	Sinewave and squarewave signal source.
Oscilloscope	High sensitivity with DC horizontal and vertical amplifiers	Waveform analysis and trouble shooting and ASO alignment.
VTVM	With AC, DC, RF range	Voltage measurements.
Circuit Tester		Trouble shooting.
AC Wattmeter	Simpson, Model 390	Monitors primary power to amplifier.
AC Ammeter	Commercial Grade (1-10A)	Monitors amplifier output under short circuit condition.
Line Voltmeter	Commercial Grade (0-150V AC)	Monitors potential of primary power to amplifier.
Variable Autotransformer (0-140V AC, 10 amps)	Powerstat, Model 116B	Adjusts level of primary power to amplifier.
Shorting Plug	Use phono plug with 600 ohm across center pin and shell.	Shorts amplifier input to eliminate noise pickup.
Output load (8 ohms, ±1% 100W)	Commercial Grade	Provides 8-ohm load for amplifier output termination.
Output load (4 ohms, ±1% 100W)	Commercial Grade	Provides 4-ohm load for amplifier output termination.

Table 1. Test Equipment Required for Servicing

3. AM ALIGNMENT PROCEDURE

3.1 AM IF Alignment

- 1. Connect a sweep generator to the J153 and an alignment scope to the test point B.
- 2. Rotate each core of IF transformer L153 for maximum height and flat top symmetrical response.

3.2 AM Frequency Range and Tracking Alignment

- 1. Set AM signal generator to 515 KHz. Turn the tuning capacitor fully closed (place the tuning pointer at the low end) and adjust the oscillator coil L152 for maximum audio output.
- 2. Set the signal generator to 1650 KHz. Place the tuning pointer in the high frequency end and adjust the oscillator trimmer on the oscillator tuning capacitor for maximum audio output.
- 3. Repeat steps 1 and 2 until no further adjustment is necessary.
- 4. Set the generator to 600 KHz and tune the receiver to the same frequency and adjust a slug core of AM ferrite rod antenna and RF coil L151 for maximum output.



- 5. Set the generator to 1400 KHz and tune the receiver to the same frequency and adjust both trimming capacitors of antenna and RF tuned circuit for maximum output.
- 6. Repeat steps 4 and 5 until no further adjustment is necessary.

Note: During tracking alignment reduce the signal generator output as necessary to avoid AGC action.

3.3 AM Signal Strength Meter Alignment

Set an AM signal generator to 1000 KHz at $5K\mu V$, and adjust R178 so that the signal strength meter may read 90% of the full scale.

4. FM ALIGNMENT PROCEDURE

- 1. Connect an FM signal generator to the FM ANTENNA terminals and an oscilloscope and an audio distortion analyzer to the TAPE OUTPUT jacks on the rear panel.
- 2. Set the FM SG to 87 MHz and provide about 3 to 5μ V. Place the tuning pointer at the low frequency end by rotating the tuning knob and adjust the core of oscillator coil L104 to obtain maximum audio output.
- 3. Set the FM SG to 109 MHz and provide about 3 to 5μ V output. Rotate the tuning knob and place the tuning pointer at the high frequency end and adjust the trimming capacitor C106 for maximum output.
- 4. Repeat steps 2 and 3 until no further adjustment is necessary.
- 5. Set the FM SG to 90 MHz and tune the receiver to the same frequency. Decrease signal generator output until the audio output level decreases with the decreasing generator output. Adjust the antenna coil L101, RF coil L102 and L103 and IF transformer L105 for minimum audio distortion.
- 6. Set the FM SG to 106 MHz and tune the receiver to the same frequency. Adjust the trimming capacitor C102, C104 and C105 for minimum distortion.
- 7. Repeat steps 5 and 6 until no further adjustment is necessary.
- 8. Adjust the secondary core (upper) of discriminator transformer L201 so that the center tuning meter pointer indicates its center at no signal applied. Set the FM SG to 98 MHz and increase its output level 1 $K\mu V$ and tune the receiver to the same frequency so that the center tuning meter pointer indicates its center.
 - Adjust the primary core (lower) of L201 for minimum distortion.
- 9. Set the FM SG to 98 MHz at 100 K μ V, and adjust R374 so that the signal strength meter may read 90% of the full scale.

5. STEREO SEPARATION ALIGNMENT

- 1. Set the FM SG to provide 1 $K\mu V$ at 98 MHz. Tune the receiver to the same frequency so that the center tuning meter pointer indicates its center.
- 2. Turn the FM SG modulation off (with the pilot signal turned off), connect a frequency counter to test point J310, and adjust R311 so that the frequency counter may precisely read 19 KHz.
- 3. Modulate the FM SG with stereo composite signal consisting only of subchannel signal (of course a pilot signal must be included).
- 4. Adjust the trimming resistor R301 for maximum and same separation in both channels.

6. MUTING CIRCUIT ALIGNMENT

- 1. Connect a VTVM across the resistor R363 and adjust the resistor R363 until the meter reads 0.75V DC at no signal.
- 2. Set the FM SG to provide 1 $K\mu V$ at 98 MHz and tune the receiver to the same frequency correctly.
- 3. Turn on MUTING push switch. Shift the FM signal generator frequency to plus and minus and note both plus and minus shifted frequencies at which undesirable audio side responses are muted out. Adjust the R363 so that the same shifted frequencies mute the undesirable side response.

4. Adjust R362 for proper frequency shift at which the muting circuit operates.

7. DOLBY FM TAPE OUTPUT SETTING

1. Set the modulation of FM SG to 400 Hz, 50% (± 37.5 KHz Dev.)

2. Set the FM SG to provide 1 $K\mu V$ at 98 MHz. Tune the receiver to the same frequency so that the center tuning meter pointer indicates its center.

3. Turn on DOLBY FM push switch. Set the semifixed resistors RC01 and RC02 so that the output of the TAPE OUTPUT terminals R and L become 580 mV at VTVM.

8. AUDIO ADJUSTMENT

Voltage adjustment
 Connect a DC voltmeter between pin terminal 804 and 805, and adjust the trimming resistor R806 for 35V DC.

2. Main Amplifier DC off-set alignment
Connect a DC voltmeter with 0.5 or 1V range between the speaker terminals and adjust the trimming resistor R707 for "zero" DC output on the meter.
Repeat the same procedure for the other channel.

Note: During this alignment no load should be connected to the speaker terminals.

 Idle-current adjustment Connect a VTVM between pin terminals 708 and 710. Next, adjust the trimming resistor R719 so the VTVM reads 8mV DC. Repeat the same procedure for the other channel.

4. Check DC off-set voltage aligned in the procedure 2 and if any DC output is observed on the DC voltmeter, adjust the R707 again for "zero" output.

5. Phono-amplifier adjustment Connect an oscilloscope to the TAPE OUT jacks and an audio signal generator to the PHONO jacks. Place the selector switch in the PHONO position. Increase 1 KHz audio signal gradually until a slight clipping on top of the sine-wave is observed on the oscilloscope. Adjust the trimming resistor R408 for equal clipping level. For the other channel adjust R409.

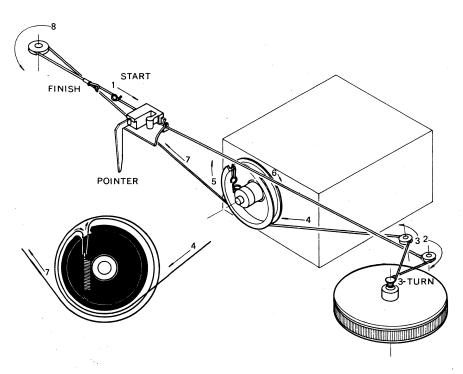


Figure 1. Dial Stringing

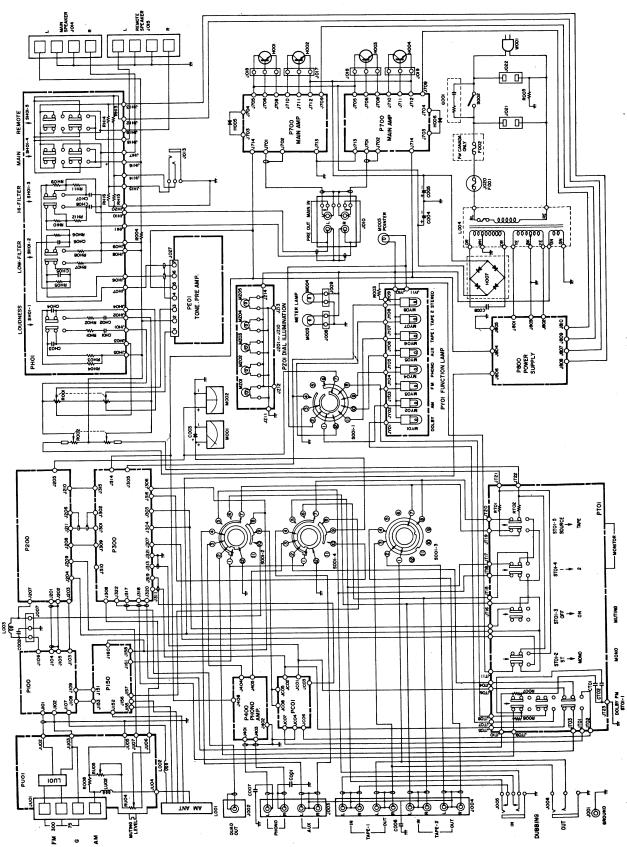
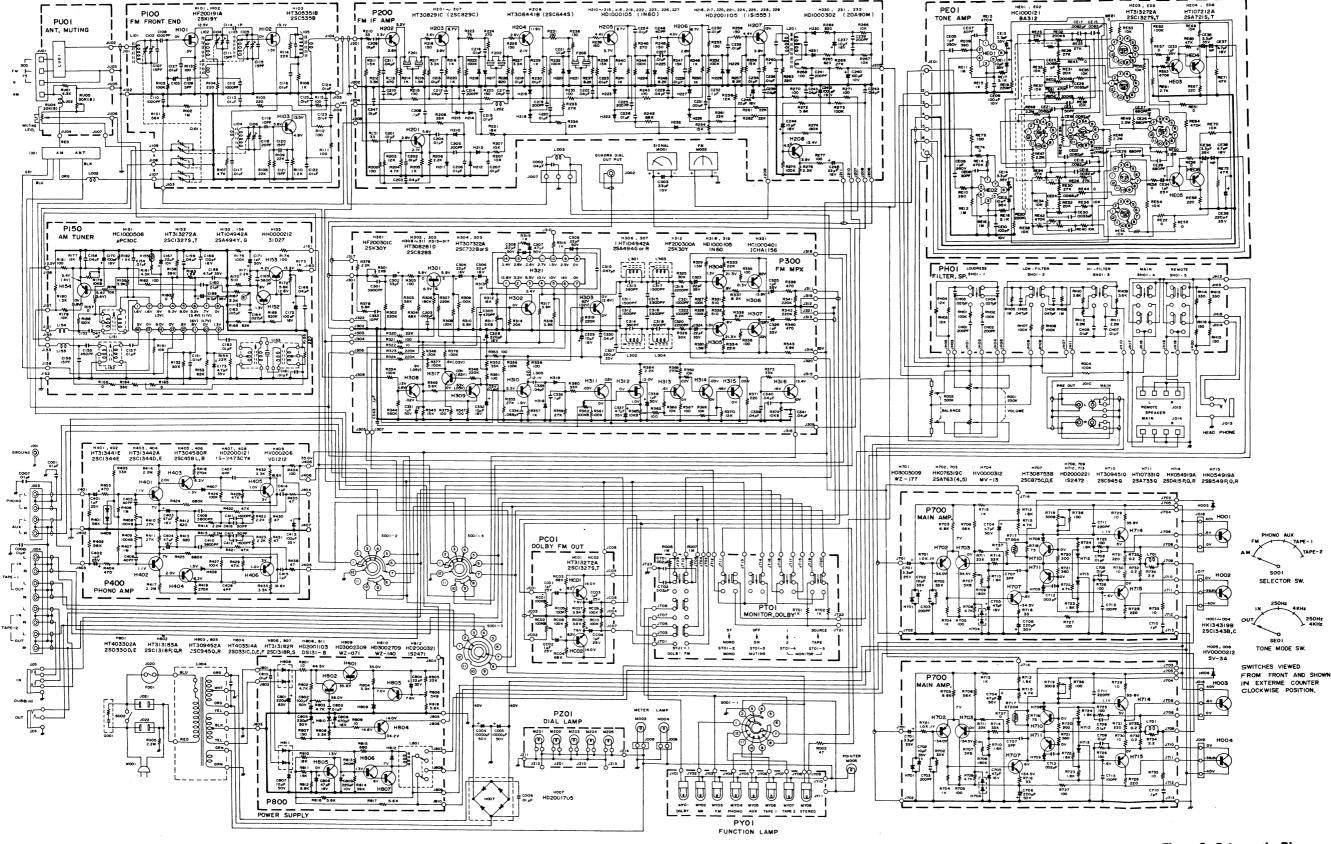


Figure 2. Wiring Diagram





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Model 2250 NOTE: This schematic diagram applies to units manufactured for the U.S.A. market.

Figure 3. Schematic Diagram

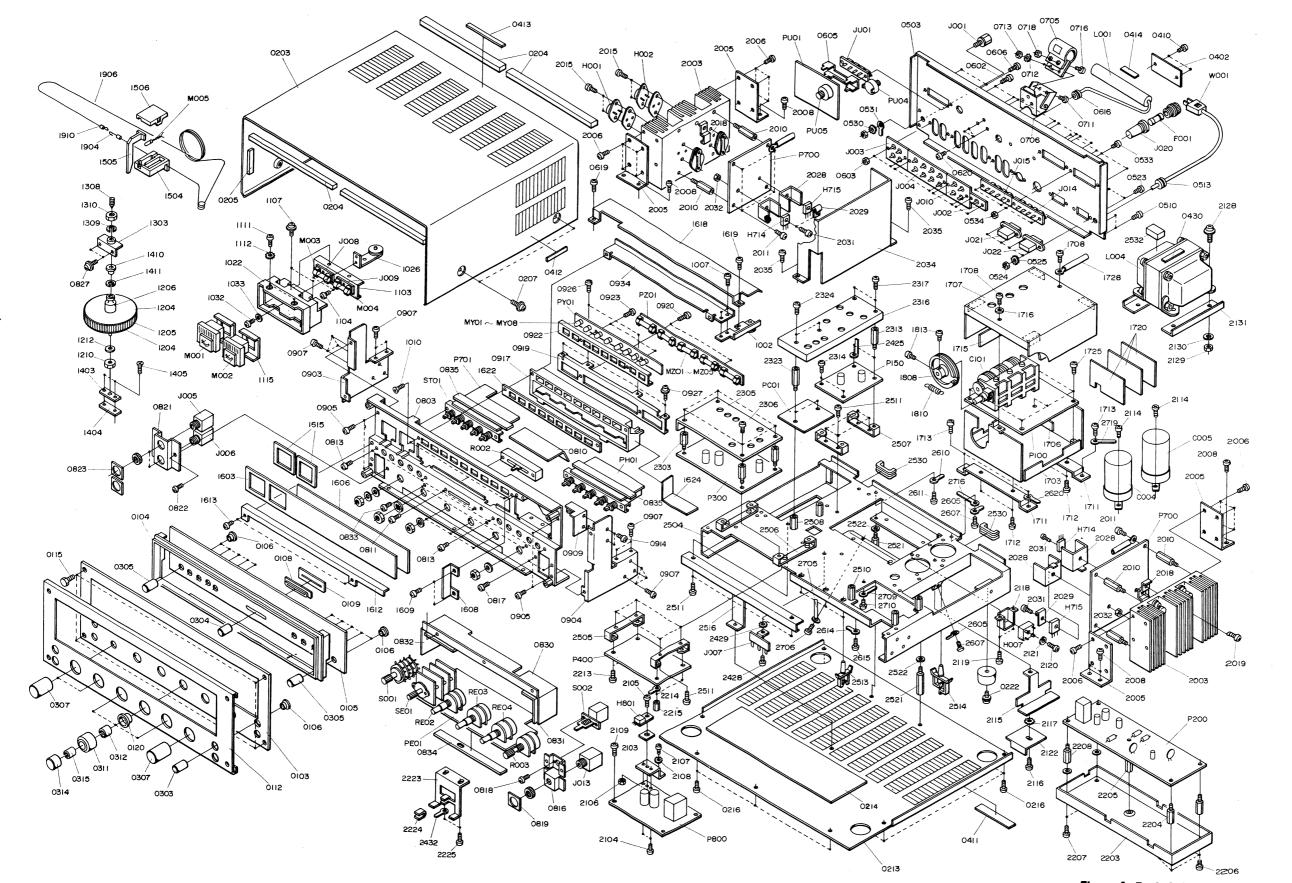


Figure 4. Exploded Mechanical Diagram



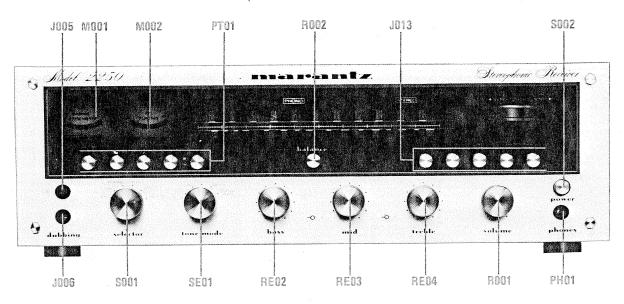


Figure 5. Front Panel Adjustments and Component Locations

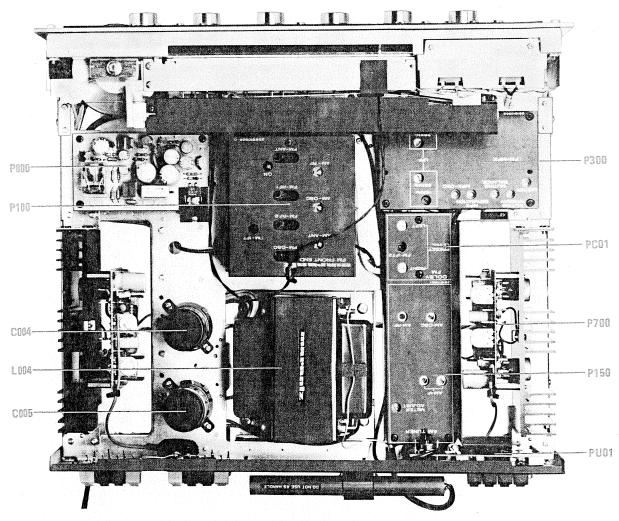


Figure 6. Main Chassis Component Locations (Top View)



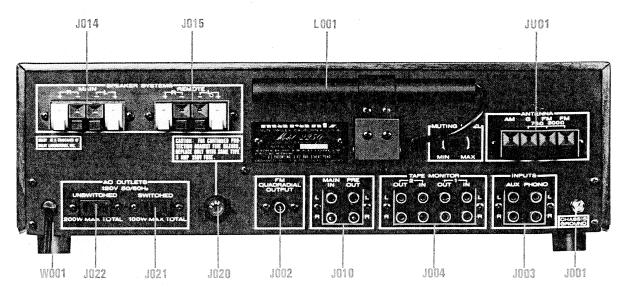


Figure 7. Rear Panel Adjustment and Component Locations

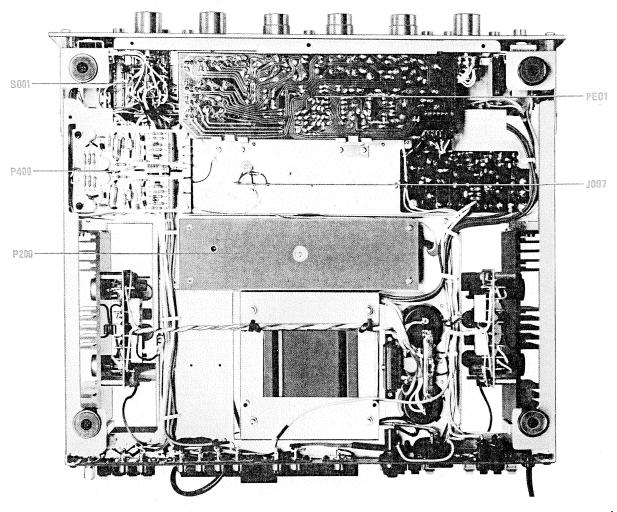
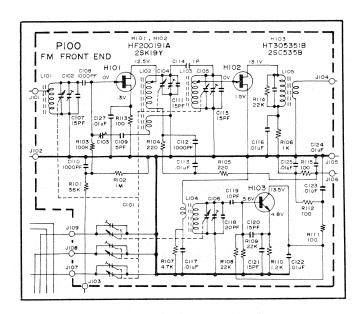


Figure 8. Main Chassis Component Locations (Bottom View)



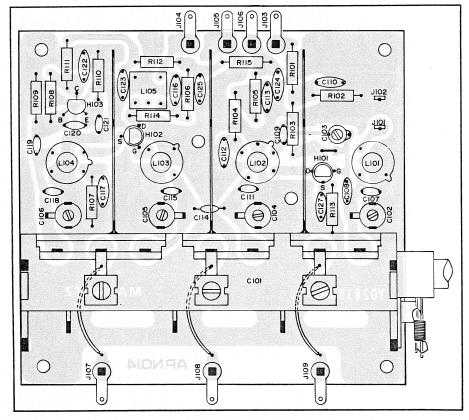
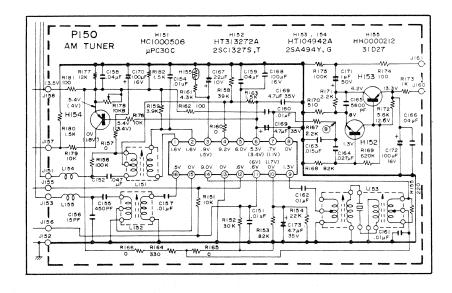


Figure 9. FM Front End(P100) Schematic Diagram and Component Locations





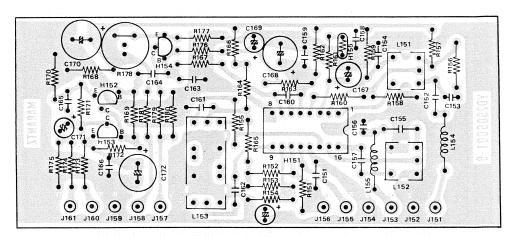
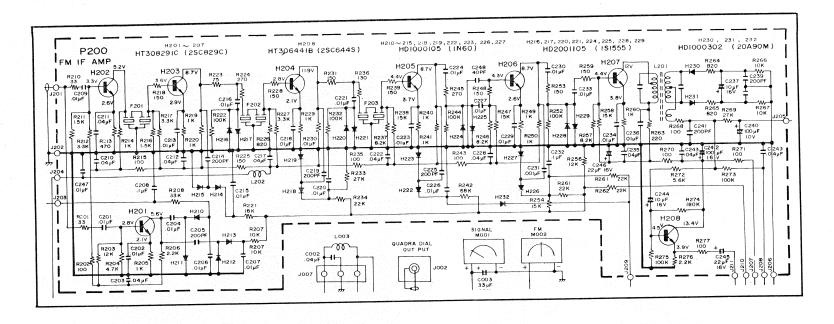


Figure 10. AM Tuner (P150) Schematic Diagram and Component Locations



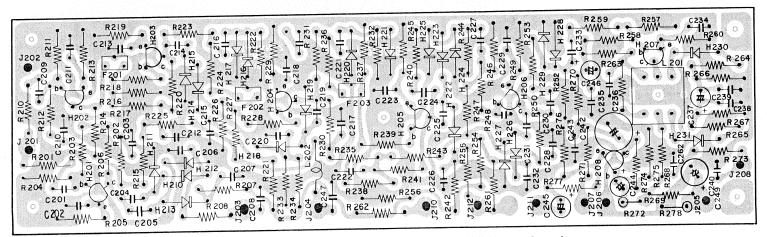
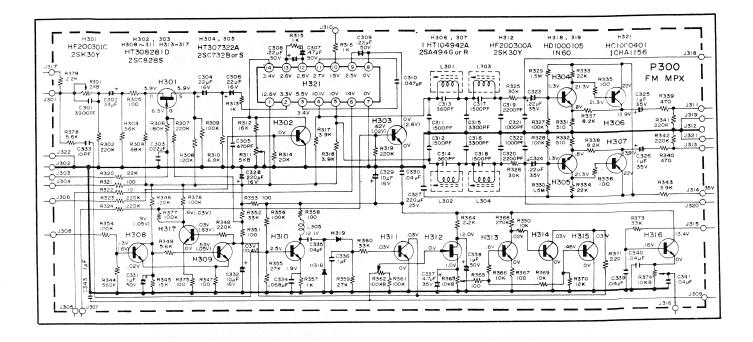


Figure 11. FM IF (P200) Schematic Diagram and Component Locations



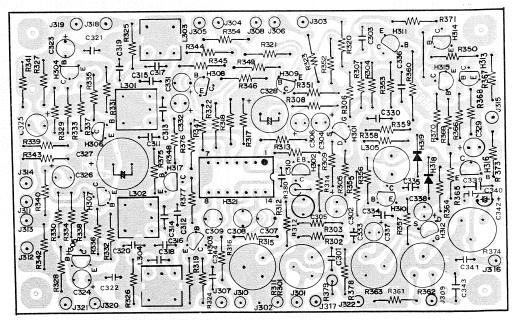
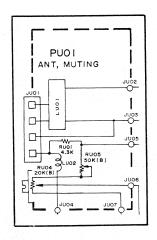


Figure 12. FM MPX (P300) Schematic Diagram and Component Locations



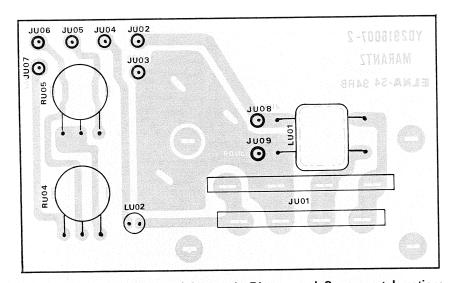
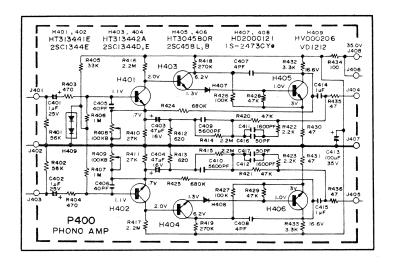


Figure 13. Ant. Muting (PU01) Schematic Diagram and Component Locations





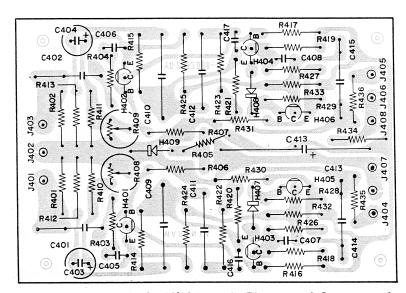
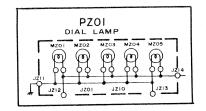


Figure 14. Phono Amplifier (P400) Schematic Diagram and Component Locations



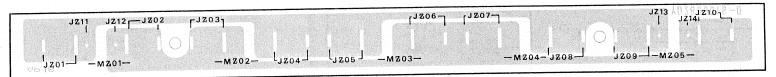
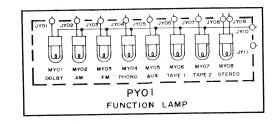


Figure 15. Dial Lamp (PZ01) Schematic Diagram and Component Locations



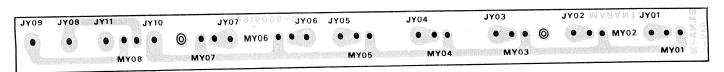
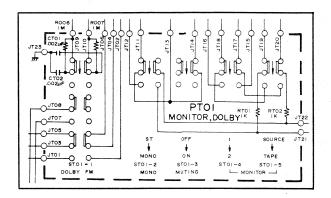


Figure 16. Function Lamps Assembly (PY01) Schematic Diagram and Component Locations





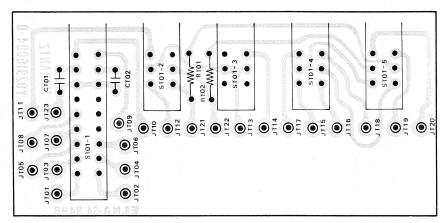
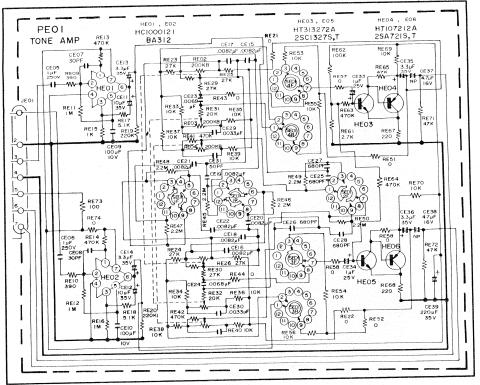


Figure 17. Monitor (PT01) Schematic Diagram and Component Locations



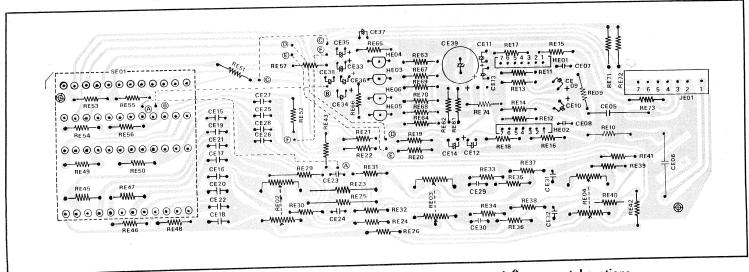
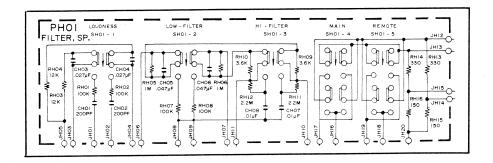


Figure 18. Pre Tone Amplifier (PE01) Schematic Diagram and Component Locations





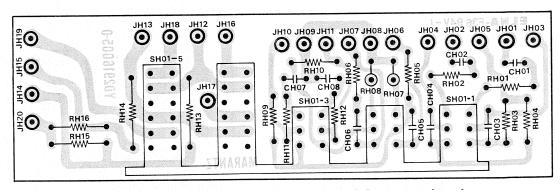
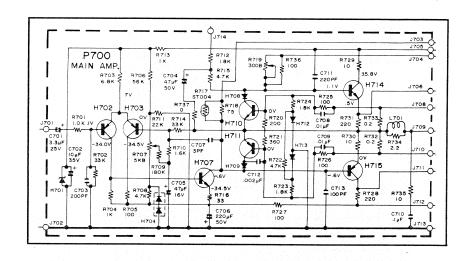


Figure 19. Filter (PH01) Schematic Diagram and Component Locations



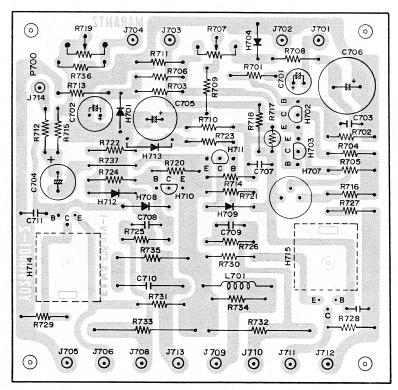
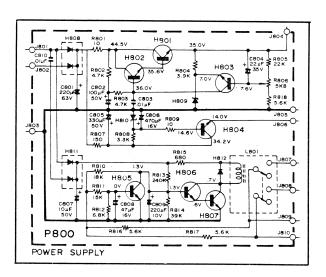


Figure 20. Main Amplifier (P700) Schematic Diagram and Component Locations



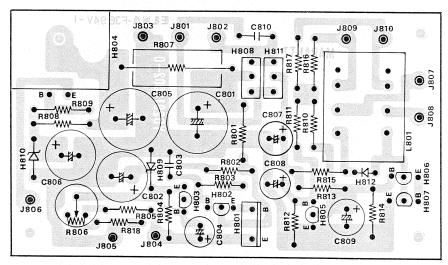
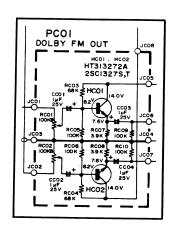


Figure 21. Power Supply (P800) Schematic Diagram and Component Locations



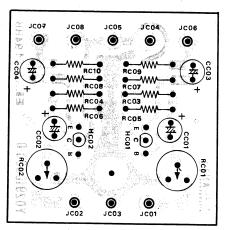


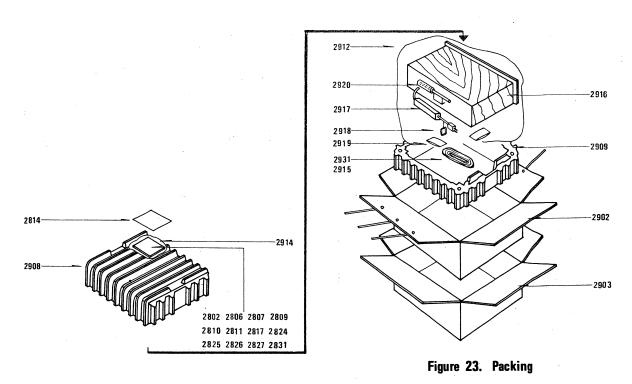
Figure 22. Dolby FM Assembly (PC01) Schematic Diagram and Component Locations

TECHNICAL SPECIFICATIONS

Amplifier Section:

RATED POWER OUTPUT
Power Band
Intermodulation Distortion at Rated Power 0.3% Damping Factor 55 Frequency Response 20 Hz to 20 kHz ±0.5 dB
Preamplifier Sections: Phono:
Dynamic Range
Equivalent Input Noise
Phono 1.8 mV Tape 180 mV Main In 1.5 V Frequency Response (phono) 30 Hz to 15 kHz ±1.0 dB
Input Impedances 47 K ohms Phono 47 K ohms Aux or Tape 100 K ohms Main In 30 K ohms Tape Output Level 775 mV Ref: 7.75 mV at phono input Signal to Noise Ratio
Aux Input 85 dB Phono Input 75 dB
Tone Controls ± 10 dB Bass: 100 Hz ± 3 dB Tone Mode at 250 Hz ± 3 dB Mid: 700 Hz ± 7.5 dB Treble: 10 kHz ± 10 dB Tone Mode at 4 kHz ± 3 dB
FM Tuner Section:
IHF Usable Sensitivity $2.5~\mu V$ Selectivity (alternate carrier) $60~dB$ Quieting Slope
RF Input for 30 dB Quieting

Spurious Rejection	1.5 dB 40 dB
AM Suppression	
AM Tuner Section:	
Sensitivity	20 μV
General:	
Power Requirements	/60 Hz
rower nequirements	
Power Consumption at rated output, both channels operating) Watts
Power Consumption at rated output, both channels operating	O Watts 5 Watts 3 inches 3 inches



Parts List

U: For U.S.A. C: For Canada E: For Europe

REF. DESIG.	U	C	/. E	PART NO.	DESCRIPTION
A 0103 0104	1 1 1	1 1	1 1	292806340 292806301	Front Panel Assembly Escutcheon
0104	1	1	1 1	285340101 291615801	Frame Window
0106	11		11	288625901	Bush
0108	1	1	1	285425901	Bush
0109	1	1	1	291510701	Sheet
0112	1	1	1	292805301	Cover
B 1204	1 2	1 2	1 2	285327340 257706302	Fly Wheel Assembly Escutcheon
1205	1	1	1	257727301	Fly Wheel
1206		1	1	285311201	Shaft
1210	1	1	1		Hexagon Nut
1212	1	1	1	54020601E	
С	1	1	1	291510340	Pointer Assembly
1504	1	1	1	291510301	Pointer
1505	1	1	1	281810302	Pointer
1506 M005	1	1	1	291510302	Pointer
MOOS		'	1	IN1008030	Lamp
D	1	1	1	120200640	Hook Assembly
1904	1	1	1	120225801	Hook
1906	1	1	1	72080802A	String
E	1	1	1	281915943	Drum Assembly
1808	1	1	1	281915901	Drum
1810 1813	1 2	1	1 2	71101689L 51064019A	Spring Set Screw H.P.
					,
F 0203	1	1	1	291625740 291625701	Lid Assembly, Top Lid
0203	5	5	5	257711807	Spacer
0205	4	4	4	285605601	Buffer
0206	1	1	1	291705601	Buffer
G	1	1	1	291625741	Lid Assembly, Bottom
0213	1	1	1	291625702	Lid
0214	1	1	1	291512001	Insulator
н	3	3	3	281815440	Knob Assembly
0311	3	3	3	281815404	Knob
0312	3	3	3	71400149Q	Spring
0014	3	3	3		Knob Assembly
0314 0315	3	3	3	281815405 71400159Q	Knob Spring
j .			1	291716040	Rear Panel Assembly
0505			1	291716040	Bracket
0514			1	284906702	Cap
0516			1	282125901	Bush
0517			2	550603058	T.R. Rivet
0115	4	4	4	52017039J	Bolt
0120	1	1	1	291605501	Collar
0207	4	4			B H M Screw F, 4 × 6
0216		ı	10	1	B H M Screw, 4 × 6
0221 0222	4	4	1 -		Leg
0303	1	1	1	290415404	B H M Screw F, 4 X 10
0304	i	1	1	l .	Knob
0305	1		10	l .	Knob
0307	3	3	3		Knob
0402	1			292826501	Indicator
	丄				

					E: For Europe
REF.	(ידב	Y.	D4 D7 N0	7-00-010-10-1
DESIG.	U	С	E	PART NO.	DESCRIPTION
0403		1		292826502	Indicator
0404	l		1	292826503	Indicator
0405	_	_		292826504	Indicator
0410	2	2	2	510603058	B H M Screw, 3 × 5
0411	1	1	1	257886101	Label, Caution
0412 0414	1	1	1 1	293286101 250626506	Label, Do Not Remove Indicator, Do Not Use As
0417	1	1	1	281826506	Indicator, Same As Line
0418	1	1	1	284626501	Indicator, Same As Line Indicator, SW, G, FM, AM
0419		1		951091101	Label, LL No.
		İ			
0420		1		282186102	Label, Fuse Caution
0421	1			951091102	Label, Factory No.
0424 0430	1	1	1	951110102 288686101	Label, UL Label, On Power Transformer
0430	'	1		951022101	Label, Fuse Caution, inside of set
0432		1		951061105	Label, Fuse 4A
0503	1	1		291716001	Bracket
0510	6	6	6	51100306S	B H M Screw, 3 × 6
0513	1	1		145525903	Bush
0518			2	54050300R	T L Washer OR
0545			اءا		
0519		ا ا	2	51060316A	P H M Screw, 3 × 16
0520 0523	2	2	2	53110303A	
0523	4	4	4	51060308S 53110303A	B H M Screw, 3 × 8
0524	4	4	4	54050300R	Hexagon Nut T L Washer OR
0530	1	1	1	54050300R	T L Washer OR
0531	1	1	i	62041760W	
0533	4	4	4	51060308S	BHM Screw, 3 × 8
0534	4	4	4	53110303A	•
0602	8	8	8	511063088	BHM Screw, 3 × 8
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0603	8	8	8	53110303A	
0605 0606	1	1	1 2	291616005	Bracket B H M Screw. 3 X 6
0616	1	1	1	51060306S 145525903	B H M Screw, 3 X 6 Bush
0620	3	3	3	51100306S	B H M Screw, 3 × 6
0705	1	1	1	281927103	Holder
0706	1	1	1	257816052	Bracket K
0711	2	2	2	51060310S	BHM Screw, 3 × 10
0712	2	2	2	54050300R	T L Washer OR
0713	2	2	2	53110303E	Hexagon Nut
0716	2	2	2	51060310S	BHM Screw. 3 × 10
0718	2	2	2	53110303E	Hexagon Nut
0803	1	1	1	291516050	Bracket K
0810	1	1	1	291512002	Insulator
0811	2	2	2	51100306A	BHM Screw, 3 × 6
0813	4	4	4	51100306A	•
0816	1	1	1	291616003	Bracket
0817 0818	2	2	2	51100306A	B H M Screw, 3 × 6
0819	1	1	1	51060306A 289610701	B H M Screw, 3 X 6 Sheet
33.3	•	•	•	200010701	ones:
0821	1	1	1	291616002	Bracket
0822	2	2	2	51100306A	B H M Screw, 3 × 6
0823	2	2	2	289610701	Sheet
0827	2	2	2	51490306A	B H M Screw FS, 3 × 6
0830	1	1	1	291710903	Shield
0831	1	1	1	291512003	Insulator
0832 0833	1	1	1 3	288912005 51100305A	Insulator B H M Screw. 3 × 5
0834	1	1	1	291712001	B H M Screw, 3 X 5 Insulator
0835	2	2	2	291612001	Insulator
0903	1	1	1	281816003	Bracket
0904	1	1	1	281816004	Bracket
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REF.	Π	QT'	Υ.	DADT :::	BE005:
DESIG.		С		PART NO.	DESCRIPTION
0905	4		4	51100406A	
0907 0909	1	1	10	51570306B 291626251	P.H. Tapped Screw, 3 x 6 Pulley K
0914	2			51100305A	B.H.M. Screw 3 x 5
0917	1	1	1	287127401	Reflector
0919	1	1	1	287127101	Holder
0920	2	2	1	51570306B	P.H. Tapped Screw, 3 x 6
0922	1	1	1	288627101	Holder
0923	2		2	51570306B	P.H. Tapped Screw, 3 x 6
0926	2	2			B.H.M. Screw, 3 x 6
0927	2	2		51480306A	B.H.M. Screw F, 3 x 6
0934	1	1	1	287105102	Guide
1002	1	1	1	291626250	Pulley K
1007	2	2	2	51100305A	B.H.M. Screw, 3 x 5
1010	2	2	2	51042608A	F.H.M. Screw, 6 x 8
1022	1	1	1	288627401	Reflector
1026	1	1	1	288926251	Pulley K
1032		2	2	51100306A	•
1033	2	2	2	54050300R	T.L. Washer OR
1103	1	1	1	288627102	Holder
1103	l .	2	2	51570306B	
1107		2	2	51480306A	
1111	2	2	2	51570306B	P.H. Tapped Screw, 3 x 6
1112	2	2	2	54050300R	T.L. Washer OR
1115	2	2	2	288610701	Sheet
1303	1	1	1	285310650	Bearing K
1308	ì	1	i	51640410D	Set Screw C.P. 4 x 10
1309	1	1	1	54040402N	
1310	1	1	1	53110403E	Hexagon Nut
1403	1	1	1	257710602	Bearing
1404	1	1	1	141511801	Spacer
1405		2	2	51040306A	F.H.M. Screw, 3 x 6
1410	1	1	1	285011202	Shaft
1411	1	1	1	54040402N	Spring Washer
1603	1	1	1	291630201	Dial
1606		1	1	285610701	Sheet
1608	1	1	1	285326901	Protector
1609	2		2	51570306B	P.H. Tapped Screw, 3 x 6
1612		1	1	291526901	Protector
1613				51570305B	P.H. Tapped Screw, 3 x 5
1615 1618	_	2	2	287105302 291626901	Cover
1619	-	2	2	51100305S	Protector B.H.M. Screw, 3 x 5
1622	1	1	1	288612201	Sticker
1624	1	1	1	281912005	Insulator
1703	1	1	1	273010950	Shield K
1706	1	1	1	291612003	Insulator
1707		1	1	288910903	Shield
1708		2	2	51100306S	B.H.M. Screw, 3 x 6
1709	6	6	6	291612002	Insulator
1711	2	2	2	281916008	Bracket
1712	4	4	4	51100306A	B.H.M. Screw, 3 x 6
1713 1715	4	4	4	51570306B	P.H. Tapped Screw 3 x 5
1716	2	2	2	288912006	Insulator
1720	3	3	1	54020301E 273010903	Flat Washer Shield
1722	1	1	1	341105605	Buffer
1725 1728	5	5	5	51100306S	B.H.M. Screw, 3 x 6
1/20	1	1	1	138200503	Clamper
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				E: For Europe	
REF.	-	QT'	_	PART NO.	DESCRIPTION
DESIG.	U	_	-	000000704	11 . 0 . 1
2003 2005	2	2	2	292826701 282016007	Heat Sink Bracket
2006		16	- 1	51380306T	P.H. Tapped Screw, 3 x 6
2008	8	8	8	51570306B	P.H. Tapped Screw, 3 x 6
2010	8	8	8	281810104	Support
2011	8	8	8	51100306S	B.H.M. Screw, 3 x 6
2015	8	8		51100312E	B.H.M. Screw, 3 x 12
2018	2	2	2	282026702	Heat Sink
2019 2024	2	2	2	510603085	P.H.M. Screw, 3 x 8
2024	2	2	2	281811806	Spacer
2028	4	4	4	291626701	Heat Sink
2029	2	2	2	112600501	Clamper
2031	4	4	4	51100310E	B.H.M. Screw, 3 x 10
2032	4	4	4	53110301E	Hexagon Nut
2034	1	1	1	291610903	Shield
2035	3	3	3	51570306B	P.H. Tapped Screw, 3 x 6
2102			,	201626702	Hans Cint.
2103 2104	1 2	1 2	1 2	291626702 51102606S	Heat Sink B.H.M. Screw, 6 x 6
2104	1	1	1	51102606S	B.H.M. Screw, 3 x 10
2106	1	1	1	53110301E	Hexagon Nut
2107	1	1	1	51570306S	P.H. Tapped Screw, 3 x 6
2108	1	1	1	54050300R	T.L. Washer OR
2109	3	3	3	51100306S	B.H.M. Screw, 3 x 6
2114	4	4	4	51570306B	P.H. Tapped Screw, 3 x 6
2115	1	1	1	291616006	Bracket
2116	1	1	1	51570408B	P.H. Tapped Screw, 4 x 8
2117	1	1	1	54050400R	T.L. Washer OR
2118	i	1	1	292826702	Heat Sink
2119	2	2	2	51570306B	P.H. Tapped Screw, 3 x 6
2120	1	1	1	51100314E	B.H.M. Screw, 3 x 14
2121	1	1	1	54040302N	Spring Washer
2122	1	1	1	292812001	Insulator
2123	1	1	1	287100501	Clamper
2128	4	4	4	51490514A	1
2129	4	4	4	53110501A	Hexagon Nut
2130	4	4	4	54040602N	Spring Washer
2131	2	2	2	291616007	Bracket
2.0.	-		-	201010007	Bracket
2203	1	1	1	292810901	Shield
2204	4	4	4	285610102	Support
2205	1	1	1	281810107	Support
2206	3	3	3	51060304E	P.H.M. Screw, 3 x 4
2207	2	2	2	50020305B	P.H. Screw, 3 x 5
2208 2213	2	2	2	59030805P 51100306S	Washer B.H.M. Screw, 3 x 6
2214	1	1	1	62030039W	•
2215	2	2	2	292810101	Support
2216	2	2	2	54020301E	Flat Washer
2217	1	1	1	291612005	Insulator
2223	2	2	2	288616011	Bracket
2224	2	2	2	288612009	Insulator
2225	4	4	4	51570306B	P.H. Tapped Screw, 3 x 6
2303	4	4	4	288810102	Support
2305	1	1	1	291610902	Shield
2306	4	4	4	511003048	B.H.M. Screw, 3 x 4
2313	2	2	2	288810102	Support
2314	2	2	2	51100306S	B.H.M. Screw, 3 x 6
2316	1	1	1	291610901	Shield
2317	2	2	2 2	511003048	B.H.M. Screw, 3 x 4
2323 2324	2	2	2	291610101 51100304S	Support B.H.M. Screw, 3 x 4
2027	-	-	-	311003043	D.I I.IVI. OCIEVY, S X 4
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U: For U.S.A. C: For Canada E: For Europe

REF. DESIG.	U	TY.	PART NO.	DESCRIPTION	
2403		- 1	1 289016008	Bracket	
2404		- 1	1 285412001	Insulator	
2405			4 51100310A	B.H.M. Screw, 3 x 10 T.L. Washer Ir	
2406 2415		- 1	5 54060300R 1 285416003	Bracket	
2416			2 51570305B	P.H. Tapped Screw, 3 x 5	
2417			2 51100306S	B.H.M. Screw, 3 x 6	
2418			1 291712002	Insulator	
2425	1	- 1	1 138200503	Clamper	
2428	1	1	1 51570306B	P.H. Tapped Screw, 3 x 6	
2429		- 1	1 54050300R	T.L. Washer OR	
2432	1	1	1 62030039W	Lug	
2503	1	1	1 291710550	Chassis K	
2513			5 288600502	Clamper	
2514		- 1	5 288600504	Clamper	
2521	- 1		2 292810102	Support	
2522		2	54040402N	1 ' '	
2530		- 1	2 288925901	Bush	
2532	1		1 281805603	Buffer	
2605	2	2	2 62030039W	Lug	
2607	- 1		3 51570306B	P.H. Tapped Screw, 3 x 6	
2610	1		1 62030039W	1 5	
2611	1		1 51570306B	P.H. Tapped Screw, 3 x 6	
2614	1	- 1	1 62030039W		
2615	1		1 51570306B	P.H. Tapped Screw, 3 × 6	
2620	1	1	1 62030039W	Lug	
2705	2	2	2 138200503	Clamper	
2706	2		2 51570305B	P.H. Tapped Screw, 3 x 5	
2709	1	- 1	1 121000501	Clamper	
2710	1	- 1	1 51570306B	P.H. Tapped Screw, 3 x 6	
2712	2	2	2 121000501	Clamper	
2716	1	1	1 121000501	Clamper	
2719	1	1	1 138200503	Clamper	
2000			202005101	Last Cot	
2802 2806	1		292885101	Instructions, Set	
2807		1	1 292885131	Instructions, Set Instructions, Leaflet	
2809	1	1	288685110 292885601	Instructions, Leaflet Schematic	
2810	l 'i		1 292885602	Schematic	
2811	1	1	292885603	Schematic	
2814	1	- 1	1 281885108	Instructions, Accessories	
2815		1	287185104	Instructions, Accessories	
2817	1	1	1 281885104		
2824	1	1	1 257785401	Guarantee Card	
2825	1	1	1 257785102	Instructions, Red Tag	
2826	1		257781301	Envelope	
2827		1	291881301	Envelope	
2831			1 281881301	Envelope	
2902	1	1	1 292880101	Packing Case, Inner	
2903	1	1	1 292880111	Packing Case, Outer	
2908	1	1	1 288680302	•	
2909	1	1	1 288680303	1	
2912	1	1	1 901483838	1	
2914	1	1	1 901302501	Polyethylene Bag, Printed Matter	
2915	1	1	1 901302501	Polyethylene Bag, Accessories	
2916	1	1	1 291810701	Sheet	
2917	1	1	1 102980401	Sleeve, Power Cord	
2918			1 956000004	Hang Tag	
2010			1 272400404	Ciliaanal	
2919 2920	1 1	1	1 273182101	Silicagel	
2920	4	1	1 281905601 952281501	Buffer, AM Antenna Serial No Card	
2322	"		902201001	Serial NO Calu	

REF.		OT'	, 7		
DESIG.	υ		E	PART NO.	DESCRIPTION
2923		4		952301512	Serial No Card
2924 2931	1	1	1	952301511 ZA0200007	Serial No Card Ext Antenna
2331		'		ZAUZUUUU/	EXT AIREINA
8536	1	1	1	62030039W	Lug
9636	1	1	1	62030039W	Lug
					P100 FM FRONT END BOARD
P100	1	1	1	YD2819002	P.W. Board
	1	1	1	ZZ2928102	P.W. Board Assembly
R101	1	1	1	RT0556314	Resistor, $56K\Omega$ ±5% 1/4W
R102	1	1	1	RT0510514	Resistor, 1MΩ ±5% ¼W
R103	1	1	1	RT0510414	Resistor, $100K\Omega$ ±5% ¼W
R104	1	1	1	RT0522114	Resistor, 220Ω ±5% ¼W
R105	1	1	1	RT0522114	Resistor, 220Ω ±5% ¼W
R106	1	1	1	RT0510214	Resistor, $1 K\Omega$ ±5% ^{1}W
R107	1	1	1	RT0547214	Resistor, $4.7K\Omega$ ±5% ¼W
R108	1	1	1	RT0522314	Resistor, 22KΩ ±5% ¼W
R109	1	1	1	RT0522314	Resistor, 22KΩ ±5% ¼W
R110	1	1	1	RT0512214	Resistor, 1.2KΩ ±5% ¼W
R111	1	1	1	RT0510114	Resistor, 100Ω ±5% $\frac{1}{4}$ W
R112	1	i	1	RT0510114	Resistor, 100Ω ±5% 1 W
R113	1	1	1	RT0510114	Resistor, 100Ω ±5% $\frac{1}{4}$ W
R114	1	1	1	RT0510114	Resistor, 10032 $\pm 5\%$ $4W$
R114 R115	1	1	1	RT0522314	Resistor, $22K\Omega \pm 5\%$ $4W$
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C101	1	1	1	CA4330001	Variable Cap
C102	1	1	1	CT1100001	Trimming Cap, 1.5~10PF
C103	1	1	1	CT1100002	Trimming Cap, 1.5~10PF
C104	1	1	1	CT1100001	Trimming Cap, 1.5~10PF
C105	1	1	1	CT1100001	Trimming Cap, 1.5~10PF
C106	1	1	1	CT1100001	Trimming Cap, 1.5~10PF
C107	1	1	1	DD1615001	Ceramic Cap, 15PF ±10%
C108	1	1	1	DK1710201	Ceramic Cap,1000PF ±20%
C109	1	1	1	DD1105001	Ceramic Cap, 5PF ±0.5PF
C110	1	1	1	DK1710201	Ceramic Cap,1000PF ±20%
C111	1	1	1	DD1615001	Ceramic Cap, 15PF ±10%
C112	1	1	1	DK1710201	Ceramic Cap,1000PF ±20%
C113	1	1	1	DK1710301	Ceramic Cap, 0.01 µ F ± 20%
C114	1	1	1	DD1001001	Ceramic Cap, 1.0PF ±0.25
C115	1	1	1	DD1615001	Ceramic Cap, 15PF ±10%
C116	1	1	1	DK1710301	Ceramic Cap, 0.01 µF ±20%
C117	1	1	1	DK1710301	Ceramic Cap, 0.01 µF ±20%
C118	1	1	1	DD1620003	Ceramic Cap, 20PF ±10%
C119	1	1	1	DD1210006	Ceramic Cap, 10PF ±1PF
C120	1	1	1	DD1615003	Ceramic Cap, 15PF ±10%
C121	1	1	1	DD1615003	Ceramic Cap, 15PF ±10%
C121	1	1	1	DK1710301	Ceramic Cap, 13FF ±10%
C122 C123	1	1	1	DK1710301	Ceramic Cap,0.01µF±20%
C123 C124	1	1	1	DK1710301	Ceramic Cap,0.01 μ F±20%
C124 C127	1		1	DK1710301	Ceramic Cap,0.01 μ F±20%
C127 C128	1	1	1	DK1710301	1
	1	1	1		Ceramic Cap, 0.01 µF±20% Ceramic Cap, 25PF ±10%
C107	l .	1	1	DD1625001	Coromio Con 25PE ±10%
C111	1	1	1	DD1625001	Ceramic Cap, 25PF ±10%
C115 C118	1	1	1	DD1625001 DD1615005	Ceramic Cap, 25PF ±10% Ceramic Cap, 15PF ±10%
J	Ι.	ľ	.	35.5.5555	55.5.mb 64p, 1511 = 1576
L101	1	1	1	LA1202603	Ant. Coil
L101	1	1	1	LA1203601	Ant. Coil
L102	1	1	1	LA1202604	RF Coil
L102	1	1	1	LA1202608	RF Coil
L103	1	1	1	LA1202605	RF Coil
L103	1	1	1	LA1202609	RF Coil
	1	1		1	1

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REF. DESIG.	U	C OT	/. E	PART NO.	DESCRIPTION
L104 L105	1	1	1	L01201608 L11001601	OSC., Coil IFT
H101 H102	1	1	1	HF200191A HF200191A	
H103	1	1	1	HT305351B	Transistor, 2SC535 (B)
J101 J102	1	1	1	YP1000094 YP1000094	Plug Plug
J103 J104	1	1	1	57271240W 57271240W	Lug Eyelet Lug Eyelet
J105	1	1	1	57271240W	Lug Eyelet
J106 J107	1	1	1	57271240W 57271240W	Lug Eyelet Lug Eyelet
J108 J109	1 1	1	1 1	57271240W 57271240W	Lug Eyelet Lug Eyelet
P150	1	1	1	YD2909001	P150 AM TUNER BOARD P.W. Board,
	1	1	1	ZZ2928101	P.W. Board Assembly
R151 R152	1	1	1	RT0510314 RT0530314	Resistor, $10K\Omega$ $\pm 5\%$ ¼W Resistor, $30K\Omega$ $\pm 5\%$ ¼W
R153	1	1	1	RT0582314	Resistor, 82KΩ ±5% ¼W
R154 R156	1	1	1	RT0522314 RT0510414	Resistor, $22K\Omega$ $\pm 5\%$ $\%W$ Resistor, $100K\Omega$ $\pm 5\%$ $\%W$
R157	i	1	i	RC0000012	Resistor, 0Ω ½W
R158 R159	1	1	1	RT0539314 RT0539214	Resistor, $39K\Omega$ ±5% ¼W Resistor, $3.9K\Omega$ ±5% ¼W
R160	i	1	1	RC0000012	Resistor, $3.9K\Omega$ ±5% ¼W Resistor, 0Ω
R161	1	1	1	RT0543214	Resistor, 4.3KΩ ±5% ¼W
R162	1	1	1	RT0510114	Resistor, 100Ω ±5% ¼W
R163 R164	1	1	1	RT0515214 RT0533114	Resistor, $1.5K\Omega$ $\pm 5\%$ $\%W$ Resistor, 330Ω $\pm 5\%$ $\%W$
R165	1	1	1	RC0000012	Resistor, 0Ω ½W
R166 R167	1	1	1	RC0000012 RT0522214	Resistor, 0Ω ½W Resistor, $2.2K\Omega$ ±5% ¼W
R168	i	1	i	RT0582314	Resistor, $82K\Omega$ ±5% ¼W
R169	1	1	1	RT0562414	Resistor, 620KΩ ±5% ¼W
R170 R171	1	1	1	RT0551114 RT0522214	Resistor, 510Ω ±5% ¼W Resistor, $2.2K\Omega$ ±5% ¼W
R172 R173	1	1	1	RT0556214 RT0510214	Resistor, 5.6KΩ ±5% ¼W Resistor, 1KΩ ±5% ¼W
R174	i	1	1	RT0510214	Resistor, 100Ω $\pm 5\%$ $4W$
R175	1	1	1	RT0510414	Resistor, 100KΩ ±5% ¼W
R176 R177	1	1	1	RT0510314 RT0512314	Resistor, $10K\Omega$ $\pm 5\%$ $4W$ Resistor, $12K\Omega$ $\pm 5\%$ $4W$
R178	1	1	1	RA0103025	Trimming Resistor 10KΩ B
R179 R180	1	1	1	RT0510314 RT0515214	Resistor, $10K\Omega$ ±5% ¼W Resistor, $1.5K\Omega$ ±5% ¼W
R181	1	1	i	RT0510114	Resistor, 100Ω $\pm 5\%$ $\%$
R182	1	1	1	RT0515214	Resistor, 1.5KΩ ±5% ¼W
C151 C152	1	1	1	DK1710301 DF1747305	Ceramic Cap, $0.1\mu\text{F}$ $\pm 20\%$ Film Cap, $0.47\mu\text{F}$ $\pm 20\%$
C154	1	1	1	DK1710301	Film Cap, 0.1μF ±20%
C155 C156	1	1	1	DF6545101	Film Cap, 450PF ±5%
C156	1	1	1	DD1615001 DK1710301	Ceramic Cap, $15PF$ $\pm 10\%$ Ceramic Cap, $0.01\mu F$ $\pm 20\%$
C158	1	1	1	DK1840302	Ceramic Cap, 0.04µF +80 %
C159 C160	1	1	1	DK1840302 DK1710301	Ceramic Cap, $0.04\mu F \pm \frac{180}{20}\%$ Ceramic Cap, $0.01\mu F \pm 20\%$
C161	1	1	1	DK1710301	Ceramic Cap, 0.01μ F $\pm 20\%$

					E: For Europe
REF. DESIG.	U	C C	/. E	PART NO.	DESCRIPTION
C162	1	1	1	DK1710301	Ceramic Cap, 0.01µF ±20%
C163	1	1	1	DF1615305	Film Cap, 0.015µF ±10%
C164	1	1	1	DF1627305	Film Cap, 0.027μF ±10%
C165	1	1	1	DF1756205	Film Cap, 5600PF ±20%
C166	1	1	1	DK1840302	Film Cap, 0.04µF ±80 %
C167	1	1	1	EA2260169	Electrolytic Cap, 22µF 16V
C168	1	1	1	EA1070169	Electrolytic Cap, 100μF 16V
C169	1	1	1	EA4750359	Electrolytic Cap, 4.7μF 35V
C170	1	1	1	EA1070169	Electrolytic Cap, 100µF 16V Electrolytic Cap, 1µF 50V
C171	1	1	1	EA1050509	Electrolytic Cap, 1μF 50V
C172 C173	1	1	1	EA1070169 EA4750359	Electrolytic Cap, 100μF 16V Electrolytic Cap, 4.7μF 35V
	1		1		
H151 H152	1	1	1	HC1000506 HT313272A	1 · - ·
H152	1	i	1	HT104942A	1
H154	1	1	1	HT104942A	Transistor, 2SA494 Y.G.
H155	1	1	1	HH0000212	Thermistor, 31D27
L151	1	1	1	LA1001019	RF Coil, AM
L152	1	1	1	LO1001050	OSC. Coil, AM
L153	1	1	1	L11028003	I.F.T., AM Ceramic Filter
L154	1	1	1	LC1332002	Choke Coil, 3.3µH
L155	1	1	1	LC1332002	Choke Coil, 3.3μH
J151	1	1	1	YP1000113	Plug
J152	1	1	1	YP1000113	Plug
J153	1	1	1	YP1000113	Plug
J155	1	1	1	YP1000113	Plug
J156	1	1	1	YP1000113	Plug
J157	1	1	1	YP1000113	Plug
J158	1	1	1	YP1000113	Plug
J160 J161	1	1	1	YP1000113 YP1000113	Plug Plug
					P200 FM IF BOARD
P200	1	1	1	YD2884006	P.W. Board
	1	1	1	ZZ2928106	P.W. Board Assembly
R201	1	1	1	RT0533014	Resistor, 33Ω ±10% ¼W
R202	1	1	1	RT0510114	Resistor, 100Ω ±10% ¼W
R203	1	1	1	RT0512314	Resistor, $12K\Omega$ ±10% ¼W
R204	1	1	1	RT0547214	Resistor, $4.7K\Omega$ ±10% ¼W
R205	1	1	1	RT0510214	Resistor, 1KΩ ±10% ¼W
R206	1	1	1	RT0522214	Resistor, 2.2KΩ ±10% ¼W
R207	1	1	1	RT0510314	
R208	1	1	1	RT0533314	I a second secon
R210	1	1	1	RT0533014	Resistor, 33Ω ±10% ¼W
R211	1	1	1	RT0515214	Resistor, 1.5KΩ ±10% ¼W
R212	1	1	1	RT0533214	Resistor, $3.3K\Omega$ ±10% ¼W
R213	1	1	1	RT0547114	
R214	1	1	1	RT0510214	
R215	1	1	1	RT0510114	
R216	1	1	1	RT0515214	
R217	1	1	1	RT0533214 RT0515114	
R218 R219	1	1	1	RT0515114	
R220	1	1	1	RT0510214	
R221	1	1	1	RT0510214	
R222	1	1	1	RT0510414	
R223	1	1	1	RT0575014	
R224	1	1	1	RT0527114	
R225	1	1	1	RT0515114	1
R226	1	1	1	RT0515214	
R227	1	1	1	RT0533214	Resistor, 3.3 K Ω $\pm 10\%$ ¼W

U: For U.S.A. C: For Canada E: For Europe

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REF. DESIG.	$\overline{}$	271	_	PART NO.	DESCRIPTI	ON	
	U	С	Ε				
R228	1	1	1	RT0515114	Resistor, 150Ω	±10%	
R229	1	1	1	RT0510214	Resistor, $1K\Omega$	±10%	
R230	1	1	1	RT0510214	Resistor, $1K\Omega$	±10%	
R231	1	1	1	RT0515114	Resistor, 150Ω	±10%	%W
	١.						
R232	1	1	1	RT0510414	Resistor, $100K\Omega$		%W
R233	1	1	1	RT0527314	Resistor, $27K\Omega$	±10%	14W
R234	1	1	1	RT0522314	Resistor, 22KΩ	±5%	14W
R235	1	1	1	RT0510114	Resistor, 100Ω	±5%	14W
R236	1	1	1	RT0513114	Resistor, 130Ω	±5%	1/4W
R237	1	1	1	RT0582214	Resistor, 87KΩ	±5%	1/4W
R238	1	1	1	RT0515314	Resistor, 15KΩ	±5%	1/4W
R239	1	1	1	RT0515114	Resistor, 150Ω	±5%	1/4W
R240	1	1	1	RT0510214	Resistor, 1KΩ	±5%	1/W
R241	1	1	1	RT0510214	Resistor, $1K\Omega$	±5%	14W
D242				DTOCCO24 4	Desister COKO	. =0/	1/14/
R242	1	1	1	RT0568314	Resistor, 68KΩ	±5%	1/4W
R243	1	1	1	RT0510114	Resistor, 100Ω	±5%	1/W
R244	1	1	1	RT0510414	Resistor, 100KΩ	±5%	1/W
R245	1	1	1	RT0527114	Resistor, 270Ω	±5%	1/W
R246 R247	1	1	1	RT0582214	Resistor, 8.2KΩ	±5%	1/W
	1	1 -	1	RT0515314	Resistor, 15KΩ	±5%	1/W
R248	1 -	1		RT0515114	Resistor, 150Ω	±5%	%W
R249	1	1	1	RT0510214	Resistor, 1KΩ	±5%	%W
R250	1	1	1	RT0510214	Resistor, 1KΩ	±5%	1/4W
R252	1	1	1	RT0510414	Resistor, $100 \text{K}\Omega$	±5%	%W
R253	1	1	1	DT0515114	Di 1500	. = 0/	1/4W
R254	1	1	1	RT0515114	Resistor, 150Ω	±5%	%W
R25 6	1	1	1	RT0515314	Resistor, 15KΩ	±5%	
R257	1	1	1	RT0512314	Resistor, 12KΩ	±5%	1/W
R258	1	1	1	RT0582214	Resistor, 8.2KΩ	±5%	1/W
R259	1	1	1	RT0515314 RT0515114	Resistor, 15KΩ	±5%	1/W
R260	1	1	1	RT0515114	Resistor, 150Ω Resistor, $1K\Omega$	±5% ±5%	¼W ¼W
R261	1	1	1	RT0510214	•	±5% ±5%	%W
R262	1	1	i	RT0522314	Resistor, $22K\Omega$ Resistor, $22K\Omega$	±5%	14W
R263	1	1	1	RT0522314	·	±5% ±5%	%W
H203	'	'	'	h10522114	Resistor, 220Ω	± 3%	74 V V
R264	1	1	1	RT0582114	Resistor, 820Ω	±5%	14W
R265	i	1	1	RT0582114	Resistor, 820Ω	±5%	14VV 14W
R266	1	1	i	RT0510314	Resistor, $10K\Omega$	±5%	14W
R267	1	1	1	RT0510314	Resistor, 10KΩ	±5%	14W
R268	1	i	1	RT0510114	Resistor, 100Ω	±5%	14W
R269	1	1	1	RT0527314	Resistor, 27KΩ	±5%	14W
R270	1	1	1	RT0510114	Resistor, 100Ω	±5%	14W
R271	1	1	1	RT0510114	Resistor, 100Ω	±5%	14W
R272	1	1	1	RT0556214	Resistor, $5.6K\Omega$	±5%	14W
R273	i	i	1	RT0510414	Resistor, 100KΩ	±5%	14W
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R274	1	1	1	RT0518414	Resistor, 180KΩ	±5%	14W
R275	1	1	1	RT0510414		±5%	14W
R276	1	1	1	RT0522214		±5%	14W
R277	1	1	1	RT0510114	Resistor, 100Ω	±5%	14W
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C201	1	1	1	DK1820302	Ceramic Cap, 0.	.02µF	+80 % -20 %
C202	1	i	1		1	.02μΓ	+80 % -20 %
C203	1	1	1	DK1840302	1	.04μF	+80 % -20 %
C204	i	i	1	1		.02μF	+80 % -20 %
C205	i	1	i	DD1620101		00PF	±10%
C206	1	i	1	DK1820302	1	.02μF	+80 % -20 %
C207	i	i	1	DK1820302		.02μT	+80 % -20 %
C208	i	1	1	DK1820302	1 ''	.1μF	-20 /6 +80 % -20 %
C209	l i	1	1	DK1820302	1 '''	.02μF	+80 % -20 %
C210	1	li	1	DK1840302		.04μF	+80 % -20 %
		•			- S. C Sup,	• سم - د	-20 /0
C211	1	1	1	DK1840302	Ceramic Cap, 0	.04µF	+80 %
C212	1	1	1	DK1840302	1	.04μF	+80 % -20 %
C213	1	1	1	DK1820302	1	.02μF	+80 % -20 %
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REF.	(ידב	Y.		5500010			
DESIG.	U	С	E	PART NO.	DESCRIPT	HON		
C214	1	1	1	DD1620101	Ceramic Cap,	200PF	±10%	
C215	li	i	1	DK1820302		200FF 0.02μF	+80 %	
C216	1	1	i	DK1820302		0.02μ1 0.02μF	+80 % -20 %	
C217	1	i	1	DK1840302	• •	0.02μ1 0.04μF	+80 % -20 %	
C218	1	1	1	DK1820302		0.02μF	+80 % -20 %	
C219	1	1	1	DD1620101	• •	200PF	±10%	
C220	1	i	1	DK1820302		0.02μF	+80 %	
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C221	1	1	1	DK1820302	Ceramic Cap,	0.02μF	+80 %	
C222	1	1	1	DK1840302	• • •	0.04μF	+80 %	
C223	1	1	1	DK1820302	Ceramic Cap,	0.02μF	+80 %	
C224	1	1	1	DK1820302	Ceramic Cap,	0.02μF	+80 %	
C225	1	1	1	DD1620101	Ceramic Cap,	200P F	±10%	
C226	1	1	1	DK1820302	Ceramic Cap,	0.02μF	+80 %	
C227	1	1	1	DK1820302		0.02μF	+80 %	
C228	1	1	1	DK1840301		0.04μF	+80 %	
C229	1	1	1	DK1820302	• •	0.02µF	+80 %	
C230	1	1	1	DK1820302	Ceramic Cap,	0.02μF	+80 %	
C231	1	1	1	DK1710201		0.001µF	+80 % -20 % +80 0/	
C232	1	1	1	DK1810402	• •	0.1μF	+80 %	
C233	1	1	1	DK1820302	• •	0.02μF	+80 % -20 %	
C234	1	1	1	DK1820302	,	0.02μF	+80 % +80 0/	
C235	1	1	1	DK1840302		0.04μF	+80 % -20 %	
C236	1	1	1			0.02μF	+80 %	
C237	1	1	1	EA1060169	Electrolytic Cap,		16V	
C238	1	1	1	DD1620101		200PF	±20%	
C239	1	1	1	DD1620101		200PF	±20%	
C240	'	'	1	EA1070109	Electrolytic Cap,	100μ -	10V	
C242	1	1	1	EA1070169	Electrolytic Cap,	100	16V	
C242	1	i	1	DK1840302		0.04μF	+80 % -20 %	
C243	i	1	1	EA1060169	Electrolytic Cap,		-20 /0 16V	
C245	i	1	1	EA2260169	Electrolytic Cap,		16V	
C246	i	i	1	EA1060169	Electrolytic Cap,		16V	
C247	1	1	1	DK1820302		0.02μF	+80 % -20 %	
C248	1	1	1	DD1540001		40PF	±5%	
C249	1	1	1	DK1840302		0.04µF	+80 % -20 %	
C262	1	1	1	DD1620101		200PF	±20%	
							l	
F201	1	1	1	FF1107005	Ceramic Filter		1	
F202	1	1	1	FF1107005	Ceramic Filter			
F203	1	1	1	FF1107005	Ceramic Filter		Ì	
							1	
H201	1	1	1	HT308291C	•	829C	1	
H202	1	1	1	HT308291C		2829C	l	
H203	1	1	1	HT308291C		2829C	į	
H204	1	1	1	HT308291C	•	C829C	1	
H205	1	1	1	HT308291C		C829C		
H206 H207	1	1	1	HT308291C HT308291C	•	0829C 0829C		
H207	1	1	1					
H210	1	1	1	HT306441B HD1000105	Transistor, 2SC Diode, 1N6	2644S		
H210	1	1	1	HD1000105	Diode, 1No			
11211	'	'	'	1101000105	Diode, 1146	50		
H212	1	1	1	HD1000105	Diode, 1No	60	İ	
H213	1	1	1	HD1000105	Diode, 1No			
H214	1	1	i	HD1000105	Diode, 1No		i	
H215	1	1	1	HD1000105	Diode, 1N			
H216	1	1	1	HD2001105	•	555		
H217	1	1	1	HD2001105		1555		
H218	1	1	1	HD1000105	Diode, 1N			
H219	1	1	1	HD1000105	Diode, 1No			
H220	1	1	1	HD2001105	•	1555		
H221	1	1	1	HD2001105		1555		
H222	1	1	2	HD1000105	Diode, 1N	60		
H223	1	1	1	HD1000105	Diode, 1N	60		
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REF.	_	TY		PART NO.	DESCRIPTION	
DESIG.	U	С	E			
H224	1	1	1	HD2001105	Diode, 1S1555	
H225	1	1	1	HD2001105	Diode, 1S1555	
H226	1	1	1	HD1000105	Diode, 1N60	
H227	1	1	1	HD1000105	Diode, 1N60	
H228	1	1	1	HD2001105	Diode, 1S1555	
H229	1	1	1	HD2001105	Diode, 1S1555	
H230	1	1	1	HD1000302	Diode, 20A90M	
H231	1	1	1	HD1000302	Diode, 20A90M	
H232	1	1	1	HD1000302	Diode, 20A90M	
L201	1	1	1	LI1401623	IFT. FM	
L201	i	1	ľ	LC1332002	IFT, FM Choke Coil, 3.3μM	
L202	•	١'	١'	LC1332002	Choke Con, 3.3µW	
J201						
}	1	1	1	YP1000120	Plug	
J208			'		9	
J210						
}	1	1	1	YP1000120	Plug	
J212					3	
		ŀ				
					P300 FM MPX BOARD	
P300	1	1	1	YD2890003	P.W. Board	
	1	1	1	ZZ2928103	P.W. Board Assembly	
R301	1	1	1	RA0202011	Trimming Resistor, $2K\Omega$	
R302	1	1	1	RT0522414	Resistor, 220K Ω ±5%	14W
R303	1	1	1	RT0556314	Resistor, $56K\Omega$ $\pm 5\%$	14W
R304	1	1	1	RT0568314	Resistor, $68K\Omega$ ±5%	14W
R305	1	1	1	RT0510114	Resistor, 100Ω ±5%	¼W
R306	1	1	1	RT0518414	Resistor, $180K\Omega \pm 5\%$	14W
R307	1	1	1	RT0522414	Resistor, 220K Ω ±5%	14W
R308	1	1	1	RT0512414	Resistor, $120K\Omega \pm 5\%$	1/4W
R309	1	1	1	RT0510414	Resistor, $100K\Omega \pm 5\%$	1/4W
R310	١,	1	1	RT0568214	Resistor, $6.8K\Omega \pm 5\%$	14W
R311	1	1	1	RA0502020	Trimming Resistor, 5KΩ	В
R312	1	i	1	RT0516314	Resistor, 16K Ω ±5%	½W
R313	1	1	1	RT0510314	Resistor, $1K\Omega$ ±5%	14W
R314	1	1	1	RT0520314	Resistor, $20K\Omega$ ±5%	14W
R315	1	1	1	RT0510214	Resistor, $1K\Omega$ ±5%	1/4W
R316	1	1	1	RT0510214	Resistor, $1K\Omega$ ±5%	1/4W
R317	1	1	1	RT0539214	Resistor, 3.9K Ω ±5%	1/4W
R318	1	1	1	RT0539214	Resistor, $3.9K\Omega$ ±5%	14W
R319	1	1	1	RT0522414	Resistor, 220KΩ ±5%	14W
R320	1	1	1	RT0522314	Resistor, $22K\Omega$ ±5%	1/4W
R321	1	1	1	RT0510114	Resistor, 100 Ω ±5%	14W
R322	1	1	1	RT0510014	Resistor, 10Ω $\pm 5\%$	1/4W
R323	1	1	1	RT0522414	Resistor, 220K Ω ±5%	14W
R324	1	1	1	RT0522414	Resistor, 220K Ω ±5%	1/4W
R325	1	1	1	RT0530314	Resistor, $30K\Omega$ ±5%	1/4W
R326	1	1	1	RT0530314	Resistor, $30K\Omega \pm 5\%$	1/4W
R327	1	1	1	RT0510414	Resistor, $100K\Omega \pm 5\%$	1/4W
R328	1	1	1	RT0510414	Resistor, $100K\Omega \pm 5\%$	14W
R329	1	1	1	RT0515514	Resistor, $1.5M\Omega$ $\pm 5\%$	1/4W
R330	1	1	1	RT0515514	Resistor, $1.5M\Omega$ ±5%	14W
D224			1	DTOSE1114	Designar E100 +50/	1/14/
R331	1	1	1	RT0551114	Resistor, 510Ω ±5%	1/4W
R332 R333	1	1	1	RT0551114 RT0522314	Resistor, 510Ω ±5% Resistor, $22K\Omega$ ±5%	%W %W
R334	1	1	1	RT0522314	Resistor, $22K\Omega$ $\pm 5\%$	14W
R335	1	1	1	RT0522314	Resistor, $22 \times 32 \pm 5\%$ Resistor, $100\Omega \pm 5\%$	14W
R336	1	1	1	RT0510114	Resistor, $10022 \pm 5\%$	14W
R337	1	1	i	RT0582214	Resistor, $8.2K\Omega$ $\pm 5\%$	14W
R338	1	1	l i	RT0582214	Resistor, 8.2K Ω ±5%	14W
R339	1	1	1	RT0562214	Resistor, 470Ω ±5%	14W
R340	1	1	1	RT0547114	Resistor, 470Ω ±5%	14W
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					E: For Europe
REF.	(ודב	<i>/</i> .	PART NO.	DESCRIPTION
DESIG.	U	С	E	PART NO.	DESCRIPTION
R341	1	1	1	RT0522414	
R342	1	1	1		Resistor, 220KΩ ±5% ¼W
R343 R344	1	1	1	RT0539214 RT0556414	
R345	1	1	1	RT0536414	Resistor, $15K\Omega \pm 5\%$ ^{1}W
R346	1	1	1	RT0512414	
R347	1	1	1	RT0510114	Resistor, 100Ω ±5% ¼W
R348	1	1	1	RT0522414	Resistor, 220KΩ ±5% ¼W
R349	1	1	1	RT0556214	Resistor, $5.6K\Omega$ ±5% ¼W
R350	1	1	1	RT0510314	Resistor, $10K\Omega$ ±5% ¼W
R351	1	1	1	RT0510114	Resistor, 100Ω ±5% ¼W
R352	1	1	1	RT0533314	Resistor, 33KΩ ±5% ¼W
R353	1	1	1	RT0510114	Resistor, 100Ω ±5% ¼W
R354 R355	1	1	1	RT0510414	
R356	1	1		RT0527314 RT0510414	Resistor, $27K\Omega$ $\pm 5\%$ $4W$ Resistor, $100K\Omega$ $\pm 5\%$ $4W$
R357	1	i	1	RT0510414	
R358	1	1	1	RT0510114	
R359	1	1	1	RT0527314	
R360	1	1	1	RT0533314	
R361	1	1	1	RT0510414	Resistor, 100KΩ ±5% ¼W
R362	1	1	1	RA0104018	Trimming Resistor, 100KΩ B
R363	1	1	1	RA0103025	Trimming Resistor, 10KΩ B
R364	1	1	1	RT0522214	Resistor, 2.2KΩ ±5% ¼W
R365	1	1	1	RT0510114	Resistor, 100Ω ±5% ¼W
R366	1	1	1	RT0510314	Resistor, 10KΩ ±5% ¼W
R367 R368	1	1	1	RT0510114 RT0527414	Resistor, 100Ω ±5% ¼W Resistor, $270K\Omega$ ±5% ¼W
R369	1	i	1	RT0510314	Resistor, $10K\Omega$ ±5% ¼W
R370	1	1	1	RT0512314	Resistor, 12KΩ ±5% ¼W
R371	1	1	1	RT0522114	Resistor, 220Ω ±5% $\frac{1}{4}$ W
R373	1	1	1	RT0533314	Resistor, $33K\Omega$ ±5% ¼W
R374	1	1	1	RA0103025	Trimming Resistor, 10KΩ B
R375	1	1	1	RT0510114	Resistor, 100Ω ±5% ¼W
R376	1	1	1	RT0510414	Resistor, $100K\Omega$ ±5% ¼W
R377 R378	1	1	1	RT0510414	Resistor, $100 \text{K}\Omega$ ±5% ¼W Resistor, $5.6 \text{K}\Omega$ ±5% ¼W
R379	1	1	1	RT0556214 RT0522214	Resistor, 5.6K Ω ±5% ¼W Resistor, 2.2K Ω ±5% ¼W
R380	1	1	1	RT0527214	Resistor, 2.7K Ω ±5% ¼W
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C301 C302	1	1	1 1	DF1639205 EA3360109	
C302	i	1	1	DF1722305	Electrolytic Cap, 33µF 10V Film Cap, 0.022µF ±20%
C304	1	1	i		Electrolytic Cap, 22µF 16V
C305	1	1	1	DF5547101	Film Cap, 470PF ±5%
C306	1	1	1	EA2260169	Electrolytic Cap, 22μF 16V
C307	1	1	1	EQ4740501	Electrolytic Cap, 0.47 µF ±20% 50V
C308	1	1	1	EQ2240501	Electrolytic Cap, 0.22µF ±20% 50V
C309 C310	1	1	1	EQ2240501 DF1747301	Electrolytic Cap, 0.22μ F $\pm 20\%$ 50V Film Cap, 0.047μ F $\pm 20\%$ 50V
				2	cup, c.c ===========================
C311	1	1	1	DF1515205	Film Cap, 1500PF ±5%
C312	1	1	1	DF1515205	Film Cap, 1500PF ±5%
C313 C314	1	1	1	DD1536101	Ceramic Cap, 360PF ±5%
C314	1	1	1	DD1536101 DF1533205	Ceramic Cap, 360PF ±5% Film Cap, 3300PF ±5%
C316	1	1	1	DF1533205	Film Cap, 3300PF ±5%
C317	1	1	1	DF1515205	Film Cap, 1500PF ±5%
C318	1	1	1	DF1515205	Film Cap, 1500PF ±5%
C319	1	1	1	DF1522205	Film Cap, 2200PF ±5%
C320	1	1	1	DF1522205	Film Cap, 2200PF ±5%
C321	1	1	1	DF1510205	Film Cap, 1000PF ±5%
C322	1	1	1	DF1510205	Film Cap, 1000PF ±5%
C323	1	1	1	EV2240351	Electrolytic Cap, 0.22µF ±20% 35V
1			1		

	\neg		_	l	ı				
REF.	_	OT.	_	PART NO.	DESCF	RIPTION			
	+	+-	E						
C324	1	1	1	EV2240351		ap,0.22μF ±20% 35V			
C325	1	1	1	EV1050352					
C326	1 -	1	1	EV1050352					
C327	1	1	1	EA2270259		ap,220μF 25V			
C328	1	1	1	EA2270169					
C329	1	1	1	EA1060169	Electrolytic C				
C330	1	1	1	DK1840302		0.04μF ±20 %			
C331	1	1	1	EA1050509	Electrolytic C				
C332	1	1	1	EA1060169	Electrolytic C	· · · · ·			
6333	1	1	1	DD1210001	Ceramic Cap,	10P ±10%			
C334	1	1	1	DF1668301	5:1 O	0.000 5 .400			
C335	li	li	1	DF1740301	Film Cap, Film Cap,	0.068μF ±10%			
C336	1	i	i		Ceramic Cap,	0.04μF ±20%			
C337	1	1	i	EA4750359	Electrolytic Cap,	0.1μF ± ½0 % ap,4.7μF 35V			
C338	1	1	1		Electrolytic Ca	ap,4.7με 35V ap,1μF 50V			
C339	li	1	1	DK1840303	Ceramic Cap,	$0.04\mu F \begin{array}{c} +80 \% \\ -20 \% \end{array}$			
C340	li	1	1		Ceramic Cap,	0.04μF ± 80 %			
C341	li	1	1	DK1840302	Ceramic Cap,	0.04µF +80 %			
C343	1	1	i i	DF1710402	Film Can	0.04μ F $^{+80}_{-20}$ %			
C344	li	1	1		Ceramic Cap,	0.1µF +80 %			
	'	Ι΄.		211.020002	Jordine Cap,	υ.υ∠μΓ _20 70			
H301	1	1	1	HF200301C	FET, 2	2SK30 (Y)			
H302	li	1	i			2SC828S			
H303	1	1	1	HT308281D		2SC828S			
H304	1	1	1	HT307322A		2SC732 BorG			
H305	1	1	1	HT307322A		2SC732 BorG			
H306	1	1	1	HT104942A		2SA494 GorY			
H307	1	1	1	HT104942A		2SA494 GorY			
H308	1	1	1			2SC828S			
H309	1	1	1	HT308281 D	•	2SC828S			
H310	1	1	1	HT308281 D	•	2SC828S			
					·				
H311	1	1	1	HT308281 D	Transistor, 2	2SC828S			
H312	1	1	1	HF200300A	FET				
H313	1	1	1	HT308281D	Transistor, 2	2SC828S			
H314	1	1	1	HT308281 D	Transistor, 2	2SC828S			
H315	1	1	1	HT308281 D	Transistor, 2	2SC828S			
H316	1	1	1	HT308281D	Transistor, 2	2SC828S			
H317	1	1	1	HT308281D		2SC828S			
H318	1	1	1	HD1000105	•	IN60			
H319	1	1	1	HD1000105	•	IN60			
H321	1	1	1	HC1000401	IC I	C HA1156			
		1.							
L301	1	1	1	LS1029004		56mH			
L302	1	1	1	LS1029004		56mH			
L303	1	1	1	LS1029005		13mH			
L304	1	1	1	LS1029005	•	13mH			
L305	1	1	1	LS2105001	Choke Coil, 1	lmH			
1222	1.	1.	ا ـ ا	\/D400044=	5.				
J322	1	1	1	YP1000113	Plug				
J321	1	1	1	YP1000113	Plug				
J301	1.		ا . ا	\int 000445	DI.				
} }	1	1	1	YP1000113	Plug				
J320									
l					DI 104 ANT	LITING DOADS			
PU01	1	1	1	YD2916007	P.W. Board	UTING BOARD			
' ' ' '	1	1	1	ZZ2928107	P.W. Board As	sambly			
l	'	Ι'	Ι'		vv. board As	acitivity			
PU04	1	1	1	BK0303033	Variable Besister 201/ (B)				
PU05	1	1	1	RK0503032	Variable Resistor, 20K (B)				
' '	Ι'	'	Ι'		Variable Resistor, 50K (B)				
LU01	1	1	1	LB3007526	Balun Coil				
LU02	1 .	1	1	LC1154002	Choke Coil	l			
	1	1			Shore out				
JU01	1	1	1	YT0304014	Terminal				
JU02	1	1	1	YP1000120	Plug				
				_	_	l			
L									

E: For Europe									
REF. DESIG.	U	C	/. E	PART NO.	DESCRIPTION				
JU03	1	1	1	YP1000120	Plug				
JU04 }	1	1	1	YP1000113	Plug				
JU07		·	·	111000110	11.09				
D400				VD000000	P400 PHONO AMP. BOARD				
P400	1	1	1	ZZ2892008	P.W. Board, Phono Amp. 94HB P.W. Board Assembly				
R401	1	1	1		Resistor, 56KΩ ¼W ±5%				
R402 R403	1	1	1	RT0556314 RT0547114	Resistor, $56K\Omega$ ¼W $\pm 5\%$ Resistor, 470Ω ¼W $\pm 5\%$				
R404	1	i	i	RT0547114					
R405	1	1	1	RN0533314					
R406	1	1	1	RN0510514	Resistor, 1MΩ ¼W ±5%				
R407	1	1	1	RN0510514					
R408	1	1	1	RA0104015	Trimming Resistor, 100KΩ B ±30%				
R409 R410	1	1	1	RA0104015 RN0527314					
R411	1	1	1	RN0527314	Resistor, 27KΩ ¼W ±5%				
R412	1	1	1	RT0562114	Resistor, 620Ω ¼W $\pm 5\%$				
R413	1	1	1	RT0562114	1				
R414	1	1	1	RT0522514	•				
R415 R416	1	1	1	RT0522514	l				
R417	1	1	1	RN0522514					
R418	1	1	1	RN0527414					
R419	1	1	1	RN0527414					
R420	1	1	1	RT0547314	Resistor, 47KΩ ¼W ±5%				
R421	1	1	1	RT0547314					
R422	1	1	1	RT0522214					
R423 R424	1	1	1	RT0522214 RN0568414	1				
R425	1	1	1	RN0568414					
R426	1	1	1	RN0510414					
R427	1	1	1	RN0510414	Resistor, 100KΩ ¼W ±5%				
R428	1	1	1	RN0547314					
R429 R430	1	1	1	RN0547314 RT0547014	Resistor, 47K Ω ¼W ±5% Resistor, 47 Ω ¼W ±5%				
R431 R432	1	1	1	RT0547014 RN0533214					
R433	1	1			Resistor, $3.3K\Omega$ %W ±5%				
R434	1	1	1	RT0510114					
R435	1	1	1		Resistor, 47Ω ½W ±5%				
R436	1	1	1		Resistor, 47Ω %W ±5%				
C401	1	1.	1	EV1050256					
C402	1	1	1	EV1050256					
C403 C404	1	1	1	EE4760164 EE4760164	Electrolytic Cap, 47μF 16V ±20% Electrolytic Cap, 47μF 16V ±20%				
C405	1	i	i	DD1540004					
C406	1	1	1	DD1540004					
C407	1	1	1	DD1104001	Ceramic Cap. 4PF 50V ±0.5P N750				
C408	1	1	1	DD1104001	Ceramic Cap, 4PF 50V ±0.5PN750				
C409 C410	1	1	1	DF6556201 DF6556201	Film Cap, 5600PF 50V ±5% Film Cap, 5600PF 50V ±5%				
C411	1	1	1	DF6516201	Film Cap, 1600PF 50V ±5%				
C412	1	1	1	DF6516201	Film Cap, 1600F 50V ±5%				
C413	1	1	1	ED1070351	Electrolytic Cap, 100µF 35V				
C414	1	1	1	DF1710552	Film Cap, 1μF 250V ±20%				
C415	1	1	1	DF1710552	Film Cap, 1μF 250V ±20%				
C416	1	1	1	DD1650001	Ceramic Cap, 50PF 250V ±20%				
C417	1	1	1	DD1650001	Ceramic Cap, 50PF 250V ±20%				

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REF.	H	QTY.		_	PART NO.	DESCRIPTION				
H401	+	-	+	_	117040444					
H402	- 1	1		1	HT3134411 HT3134411					
H403				1	HT313442					
H404	- 1	- 1	.	1	HT313442					
H405	- 1			1		A Transistor, 2SC1344 D, E R Transistor, 2SC458L B				
H406	. 1		1 1	1	HT304580F	R Transistor, 2SC458L B				
H407	- 1	- 1	1 .	1	HD2000121					
H408	1	- 1		1	HD2000121					
H409	1	1	1 1	1	HV0000206					
J401	1									
7401	1	1	. ,	ı	YP1000113	Division				
J408	Ι.		' '	.	11 10001 (3	Plug				
				-						
	-					PZ01 DIAL LAMP BOARD				
PZ01	1	1 '	- 1 -	- 1	YD2886016	1				
	1	1	1	-	ZZ2928116	P.W. Board Assembly				
MZ01										
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1	1	1		IN1008007	Lamp				
MZ05	'	Ι.	'		1111000007	Lamp				
JZ01				1						
}	1	1	1		YJ0800017	Socket				
JZ10										
JZ11				1						
7211	1	1	1	1	YP1000113	D.				
JZ14	1'	1.	'	1	171000113	Plug				
		1		1						
						PT01 MONITOR BOARD				
PT01	1	1	1		YD2916004	P.W. Board				
	1	1			ZZ2916004	P.W. Board Assembly				
			1	1	ZZ2916804	P.W. Board Assembly				
RT01	1	1	1		RT0510214	Designation (160 total)				
RT02	1	1	1	- 1	RT0510214	Resistor, $1K\Omega$ ¼W ±5% Resistor, $1K\Omega$ ¼W ±5%				
	1	Ι.	'	1	1110010214	Resistor, $1K\Omega$ ¼W ±5%				
CT01			1	1	DF1510205	Film Cap, 0.001µF 50V ±5%				
CT01	1	1		1	DF1522205	Film Cap, 0.002μF 50V ±5%				
CT02 ·	1	1			DF1522205	Film Cap, 0.002µF 50V ±5%				
CT02			1		DF1510205	Film Cap, 0.001μ F 50V $\pm 5\%$				
ST01	1	1	1	1,	SP0605007	Push Switch				
0.0.	Ι.	Ι'	1.	Ι,	31 0003007	rusii Switcii				
JT01	Ì									
}	1	1	1	\	YP1000113	Plug				
JT23	l					_				
PY01	1	1	1	١,	/D2010000	PY01 LAMP BOARD				
	1	1	1	1	YD2916006 ZZ2916006	P.W. Board P.W. Board Assembly				
MY01	1	1	1	1	N1008037	Lamp, Dolby 8V 40mA				
MY02	1	1	1		N1008037	Lamp, AM 8V 40mA				
MY03	1	1	1	1	N1008037	Lamp, FM 8V 40mA				
MY04	1	1	1	1	N1008037	Lamp, Phono 8V 40mA				
MY05	1	1	1	1	N1008037	Lamp, AUX 8V 40mA				
MY06 MY07	1	1	1	1	N1008037	Lamp, Tape 1 8V 40mA				
MY08	1	1	1		N1008037 N1012011	Lamp, Tape 2 8V 40mA				
55	Ι΄	ľ	Ι΄	Ι'		Lamp, Stereo 12V 40mA				
JY01				1		l				
. ₹	1	1	1	1	YP1000113	Plug				
JY11										
,						DEGA PRE TONE				
PEO1	1	1	1		/D2017002	PE01 PRE TONE AMP.BOARD				
. 201	1	1	1	1	YD2917002 ZZ2928202	P.W. Board P.W. Board Assembly				
	'	ļ .	Ι.	ľ						

									E:	For Europe
	REF DESIG.	-	U C E			PART NO.		DESCRIPT	ION	
ı	RE02	- 1	1	1	1	RD020400	Variable	Resistor,	200K	Ω (B)
-	RE03	- 1	1	1	1	RD020400	l Variable	Resistor,		
ı	RE04	- 1	1	1	1	RD0204001	1	Resistor,	200Ks	Ω (B)
ı	RE09	- 1	1	1	1	RT0539114	1	, 390Ω	±5%	14W
١	RE10 RE11	- 1	1	1	1	RT0539114		, 390Ω	±5%	1/4W
١	RE12	- 1	1	1 1	1	RN0510514		, 1MΩ	±5%	1/4 W
١	RE13	- 1	i	<u> </u>	1	RN0510514 RN0547414		, 1MΩ	±5%	
ı	RE14	1	1	1	1	RN0547414		, 470KΩ		1/4W
1	RE15	1		il	1	RT0510214		, 470KΩ	±5% ±5%	¼W ¼W
ı				İ	٠	1110010214	116313101	, 11/22	1070	74 V V
1	RE16	1	ı	1	1	RT0510214	Resistor	1ΚΩ	±5%	14W
ı	RE17	1		1	1	RT0551214		, 5.1KΩ	±5%	14W
ı	RE18	1		1	1	RT0551214		5.1KΩ	±5%	%W
1	RE19	1		1	1	RT0522414	1 .	220ΚΩ	±5%	14W
ı	RE20	1	- 1	1	1	RT0522414		220ΚΩ	±5%	14W
1	RE21	1	- 1	1	1	RC0000012	Resistor	Ω 0		
ı	RE22	1	- 1	1	1	RC0000012	1	Ω 0		ı
ı	RE23	1	- 1	1	1	RT0527314		27ΚΩ	±5%	14W
1	RE24	1	- 1	1	1	RT0527314		$27K\Omega$	±5%	1/4W
ı	RE25	1	1	1	1	RT0527314	Resistor,	$27K\Omega$	±5%	1⁄4W
ı	RE26	1	1.	,	1	DT0507044				
ı	RE29	1	- 1	- 1	1	RT0527314		27ΚΩ	±5%	1/4W
ı	RE30	1			¦	RT0527314 RT0527314	Resistor,		±5%	1/4W
l	RE31	1			1	RT0527314	Resistor,		±5%	1/4W
ı	RE32	1		- 1	i	RT0520314	Resistor,		±5%	1/4W
ı	RE33	1	1		1	RT0510314	Resistor, Resistor,		±5%	1/4W
ı	RE34	1	1		i	RT0510314	Resistor,		±5% ±5%	¼W ¼W
L	RE35	1	1		1	RT0510314	Resistor,		±5%	1/4 W
1	RE36	1	1		1	RT0510314	Resistor,		±5%	14W
ı	RE37	1	1		1	RT0510314	Resistor,		±5%	1/4W
ı				1	Ì					
ı	RE38	1	1	- 1	1	RT0510314	Resistor,	10 K Ω	±5%	1/4W
ı	RE39	1	1	- 1	1	RT0510314	Resistor,	10 K Ω	±5%	14W
l	RE40	1	1		1	RT0510314	Resistor,	10 K Ω	±5%	1/4W
ı	RE41	1	1	- 1	1	RT0547414	Resistor,	470 K Ω	±5%	1⁄4W
ı	RE42	1	1	- 1	1	RT0547414	Resistor,	470 K Ω	±5%	1/4W
ı	RE43	1	1	- 1	1	RC0000012	Resistor,			1
ı	RE44	1	1	- 1	!	RC0000012	Resistor,			1
l	RE45 RE46	1	1	1	1	RT0522514	Resistor,		±5%	1/4W
ı	RE47	1	1	- 1	- 1	RT0522514	Resistor,		±5%	1/4W
	11647	١.	'	1	'	RT0522514	Resistor,	$2.2M\Omega$	±5%	14W
	RE48	1	1	1		RT0522514	Resistor	$2.2M\Omega$	±5%	14W
	RE49	1	1	- 1		RT0522514	Resistor,		±5%	14W
	RE50	1	1	- 1		RT0522514	Resistor,	$2.2M\Omega$	±5%	14W
	RE51	1	1	- 1	- 1	RT0510314	Resistor,	10ΚΩ	±5%	14W
	RE52	1	1	- 1	- 1	RT0510314	Resistor,	10ΚΩ	±5%	14W
	RE53	1	1	1	1	RT0510314	Resistor,	10ΚΩ	±5%	14W
	RE54	1	1	1		RT0510314	Resistor,	10ΚΩ	±5%	1/4W
	RE55	1	1	1		RT0510314	Resistor,	10 K Ω	±5%	14W
	RE56	1	1	1	ı	RT0510314	Resistor,	10ΚΩ	±5%	14W
	RE57	1	1	1		RC0000012	Resistor,	Ω 0		1
l	DEEO			١.		D00000046				
	RE58 RE59	1	1	1	- 1	RC0000012	Resistor,	Ω 0		1
	RE60	1	1	1	- 1	RC0000012 RC0000012	Resistor,	$\Omega \Omega$		1
	RE61	1	i	1	- 1	RT0527214	Resistor, Resistor,		+E0/	14W
	RE62	i	1	li	-	RT0510414	Resistor,		±5% ±5%	%W
	RE63	1	1	li	- 1	RT0547414	Resistor,		±5% ±5%	1/4W
	RE64	1	1	1	- 1	RT0547414	Resistor,		±5%	14W
	RE65	1	1	1		RT0547314	Resistor,		±5%	1/4W
	RE66	1	1	1	- 1	RT0547314	Resistor,		±5%	1/4W
-	RE67	1	1	1		RT0522114	Resistor,		±5%	1/4W
	DE02						·			
	RE68	1	1	1	- (Resistor,		±5%	1⁄4W
	RE69	1	1	1		RT0510314	Resistor,	10ΚΩ	±5%	1/4W
										1

REF.		TY	,						
DESIG.	υ	С	E	PART NO.	DESCRIPTION				
RE70 RE71 RE72 RE73 RE74	1 1 1 1	1 1 1 1	1 1 1 1	RT0510314 RT0547314 RT0547314 RT0510114 RC0000012	$\begin{array}{llllllllllllllllllllllllllllllllllll$				
CE05 CE06 CE07 CE08 CE09 CE10 CE11 CE12 CE13 CE14	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	DF1710552 DF1710552 DD1530001 DD1530001 EA1070109 EA1070109 EA1060359 EA1060359 EV3350356 EV3350356	Film Cap, 1μ F $\pm 20\% 250V$ Film Cap, 1μ F $\pm 20\% 250V$ Ceramic Cap, 30 FF $\pm 5\% 50V$ Ceramic Cap, 30 FF $\pm 5\% 50V$ Electrolytic Cap, 100μ F $_{10}^{+5\%}\%$ $10V$ Electrolytic Cap, 100μ F $_{10}^{+5\%}\%$ $10V$ Electrolytic Cap, 10μ F $_{10}^{+5\%}\%$ $10V$ Electrolytic Cap, 10μ F $_{10}^{+5\%}\%$ $10V$ Electrolytic Cap, 10μ F $_{10}^{+5\%}\%$ $_{10}^{+5\%}\%$ Electrolytic Cap, $_{10}^{+5\%}\%$ $_{10}^{+5\%}\%$ Electrolytic Cap, $_{10}^{+5\%}\%$ $_{10}^{+5\%}\%$				
CE15 CE16 CE17 CE18 CE19 CE20 CE21 CE22 CE23 CE24	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	DF1582205 DF1582205 DF1582205 DF1582205 DF1539301 DF1539301 DF1539301 DF1539301 DF1668205 DF1668205	$\begin{array}{lll} \mbox{Film Cap}, 0.0082\mu\mbox{F} \pm 5\% & 50\mbox{V} \\ \mbox{Film Cap}, 0.0082\mu\mbox{F} \pm 5\% & 50\mbox{V} \\ \mbox{Film Cap}, 0.0082\mu\mbox{F} \pm 5\% & 50\mbox{V} \\ \mbox{Film Cap}, 0.039\mu\mbox{F} \pm 5\% & 50\mbox{V} \\ \mbox{Film Cap}, 0.0068\mu\mbox{F} \pm 10\% & 50\mbox{V} \\ \mbox{Film Cap}, 0.0068\mu\mbox{Film Cap}, 0.0068\mu\mbox{Film Cap}, 0.0068\mu\mbox{Film Cap}, 0.0068\mu\mbox{Film Cap}, 0.0068\mu\mbox{Film Cap}, 0.0068\muFilm Cap$				
CE25 CE26 CE27 CE28 CE29 CE30 CE31 CE32 CE33 CE34	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	DF6527151 DF6527151 DF1510205 DF1510205 DF1633205 DF1633205 DD1650001 DD1650001 EV1050256 EV1050256	Ceramic Cap, 270PF ±5% 50V Ceramic Cap, 1000PF±5% 50V Ceramic Cap, 1000PF±5% 50V Film Cap, 0.0033µF ±5% 50V Film Cap, 0.0033µF ±5% 50V Ceramic Cap, 50PF ±5% 50V Ceramic Cap, 50PF ±5% 50V Electrolytic Cap, 1µF ±20% 25V				
CE35 CE36 CE37 CE38 CE39	1 1 1 1	1 1 1 1	1 1 1 1	EV3350356 EV3350356 EQ4750161 EQ4750161 EA2270359	Electrolytic Cap, 3.3μ F $\pm 20\%$ 35V Electrolytic Cap, 3.3μ F $\pm 20\%$ 35V Electrolytic Cap, 4.7μ F $\pm 30\%$ 16V Electrolytic Cap, 4.7μ F $\pm 30\%$ 16V Electrolytic Cap, 220μ F $_{10}^{\pm 50}\%$ 35V				
HE01 HE02 HE03 HE04 HE05 HE06	1 1 1 1 1	1 1 1 1	1 1 1 1 1	HT107212A HT313272A	IC, BA312 IC, BA312 Transistor, 2SC1327S.T Transistor, 2SA721S.T Transistor, 2SC1327S.T Transistor, 2SA721S.T				
JE01	1	1	1	YP0600028	Plug				
SE01	1	1	1	RS1005007	Rotary Switch, Tone, Mode				
PH01	1 1	1 1	1 1	YD2916005 ZZ2916005	·				
RH01 RH02 RH03 RH04 RH05 RH06 RH07 RH08	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1	RT0510414 RT0510414 RT0512314 RT0512314 RT0510514 RT0510514 RT0510414	Resistor, 100 KΩ $\%$ W $\pm 5\%$ Resistor, 12 KΩ $\%$ W $\pm 5\%$ Resistor, 12 KΩ $\%$ W $\pm 5\%$ Resistor, $1M$ Ω $\%$ W $\pm 5\%$ Resistor, $1M$ Ω $\%$ W $\pm 5\%$ Resistor, 100 KΩ $\%$ W $\pm 5\%$				

							-or Europe
REF.		TY		PART NO.	DESCRIPTION	N	ł
DESIG.	U	С	E	TAIT IIO.	DEGOTTI TTO		
RH09	1	1	1	RT0536214	Resistor, $3.6K\Omega$	14W	±5%
RH10	1	1	1	RT0536214	Resistor, $3.6K\Omega$	¼W	±5%
RH11	1	1	1	RT0522514		1/4W	±5%
RH12	1	1	1	RT0522514		14W	±5%
RH13	1	1 1	1	GJ0533102 GJ0533102	Resistor, 330Ω Resistor, 330Ω	2W 2W	±5% ±5%
RH14 RH15	1	1	1	GJ0533102 GJ0515101	Resistor, 150Ω	1W	±5%
RH16	1	i	1	GJ0515101	Resistor, 150Ω	1W	±5%
	•		.	000010101	1100101017 10000		-075
CH01	1	1	1	DD1620103	Ceramic Cap, 200)PF	±10%
CH02	1	1	1	DD1620103)PF	±10%
CH03	1	1	1	DF1627305	Film Cap, 0.027μ F		
CH04	1	1	1	DF1627305	Film Cap, 0.027μF	50V	±10%
CH05	1	1	1	DF1647305	Film Cap, 0.047μF	50V	±10%
CH06 CH07	1	1	1 1	DF1647305 DF1610305	Film Cap, 0.047μ F Film Cap, 0.01μ F	501/	±10% ±10%
CH07	1	1	1	DF1610305	Film Cap, 0.01µF	50V	
CITOO	'	'	'	DF 1010303	1 IIII Cap, 0.01μ1	301	10%
JH01							
	1	1	1	YP1000113	Plug		
JH20					J		
					v		1
SH01	1	1	1	SP0405012	Push SW		
	_		_		P700 MAIN AMP B	DARE)
P700	2	2	2	YD2916001	P.W. Board		
	2	2	2	ZZ2928201	P.W. Board Assembl	У	
R701	2	2	2	RT0510214	Resistor, 1.0K	14W	±5%
R701	2	2	2	RT0533314	Resistor, 33K	14W	±5%
R703	2	2	2	RT0568214	Resistor, 6.8K	14W	±5%
R704	2	2	2	RT0510214		14W	±5%
R705	2	2	2	RT0510114	Resistor, 100K	14W	±5%
R706	2	2	2	RT0556314	Resistor, 56K	¼W	±5%
R707	2	2	2	RA0502017	Trimming Resistor,	5K(B)	
R708	2	2	2	RT0547214		¼W	±5%
R709	2	2	2	RT0518414	Resistor, 180K	1/4W	±5%
R710	2	2	2	RT0516214	Resistor, 1.6K	¼W	±5%
R711	2	2	2	RT0522314	Resistor, 22K	¼W	±5%
R711	2	2	2	RT0518214	Resistor, 1.8K	14W	±5%
R713	2	2	2	RC1010212	Resistor, 1K	1/2W	±10%
R714	2	2	2	RT0533314	Resistor, 33K	14W	±5%
R715	2	2	2	RT0547214	Resistor, 4.7K	14W	±5%
R716	2	2	2	GF0533014	Resistor, 33K	14W	±5%
R717	2	2	2	HH0000303			
R718	2	2	2		Resistor, 75K	14W	±5%
R719	2	2	2	RA0301002		300 %W	±5%
R720	2	2	2	GF0530114	Resistor, 300K	74 V V	1576
R721	2	2	2	GF0568114	Resistor, 680	¼W	±5%
R722	2	2	2	GF0508114	Resistor, 4.7K	1/4W	±5%
R723	2	2	2	GF0522214	Resistor, 2.2K	14W	±5%
R724	2	2	2	GF0522214	Resistor, 2.2K	14W	±5%
R725	2	2	2	GF0510114	Resistor, 100	14W	±5%
R726	2	2	2	GF0510114	Resistor, 100	1/4W	±5%
R727	2	2	2	GF0510114	Resistor, 100	1/4W	±5%
R728	2	2	2	GF0522114	Resistor, 220	1/ W	±5%
R729	2	2	2	GF0510014	Resistor, 10	14W	±5% +5%
R730	2	2	2	GF0510014	Resistor, 10	¼W	±5%
R731	2	2	2	GF0522114	Resistor, 220	¼W	±5%
R732	2	2	2	GW1020205	1	5W	±10%
R733	2	2	2	1	Resistor, 0.2	5W	±10%
R734	2	2	2	RC1002212		1/2W	±10%
R735	2	2	2	GJ0510002	Resistor, 10	2W	±5%
R736	2	2	2	GF0510114		14W	±5%
R737	2	2	2	RC0000012	Resistor, 0Ω		
				1			

REF.	QTY.		Υ.			
DESIG.	υ	_	E	PART NO.	DESCRIPTION	
C701 C702 C703 C704 C705 C706 C707 C708 C709 C710	2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2	EE3350251 EA1060359 DD1620101 EA4760509 EE4760162 EA2270509 DD1003050 DF1710305 DF1710305 DF1710452	Electrolytic Cap, 3.3μ F $25V \pm 20\%$ Electrolytic Cap, 10μ F $35V$ Ceramic Cap, 200 F $50V$ Electrolytic Cap, 4.7μ F $50V$ Electrolytic Cap, 4.7μ F $10V \pm 20\%$ Electrolytic Cap, 220μ F $50V$ Ceramic Cap, 3 PF $500V$ Film Cap, 0.01μ F $50V$	
C711 C712 C713	2 2 2	2 2 2	2 2 2	DK1622151 DK1622201 DK1610150	Ceramic Cap, 220PF 500V Ceramic Cap, 0.002µF 50V Ceramic Cap, 100PF 500V	
J701	2	2	2	YP1000114	Plug	
J708 { J714	2	2	2	YP1000114	Plug	
H701 H702 H703 H704 H707 H708 H709 H710 H711	2 1 1 2 2 2 2 2 2 2 2 2	2 1 1 2 2 2 2 2 2 2 2 2	2 1 1 2 2 2 2 2 2 2 2		Diode, WZ-177 Transistor, 2SA763 (45) Transistor, 2SA763 (45) Diode, MV-13 Transistor, 2SC875 C.D.E Diode, 1S2472 (Gr) Diode, 1S2472 (Gr) Transistor, 2SC945 Q Transistor, 2SA733 Q Diode, 1S2472 (Gr)	
H713 H714 H715	2 1 1	2 1 1	2 1 1		Diode, 1S2472 (Gr) Transistor, 2SD415 P.QR Transistor, 2SB549 P.QR	
L701	2	2	2	LC2262001	Coil	
P800 _.	1 1	1	1	YD2916002 ZZ2928302	P800 POWER SUPPLY BOARD P.W. Board P.W. Board Assembly	
R801 R802 R803 R804 R805 R806 R807 R808 R809 R810	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	GF0510012 RT0547214 RT0547214 RT0539214 RT0522314 RA0502013 GS1015105 RT0533214 RT0510014 RT0527314	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	
R811 R812 R813 R814 R815 R816 R817 R818 C801 C802 C803 C804	1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	RT0522314 RT0568214 RT0524414 RT0539314 GU05393112 GU0556212 GU0556212 RT0556214 EA2270631 EA1070509 DF1710305 EA2260359	Resistor, 22K ¼W ±5% Resistor, 6.8K ¼W ±5% Resistor, 240K ¼W ±5% Resistor, 39K ¼W ±5% Resistor, 390Ω ¼W ±5% Resistor, 5.6K ½W ±5% Resistor, 5.6K ½W ±5% Resistor, 5.6K ½W ±5% Resistor, 5.6K ½W ±5% Resistor, 5.6K ½W ±5% Electrolytic Cap, 220μF 63V Electrolytic Cap, 100μF 50V Film Cap, 0.01μF 50V Electrolytic Cap, 22μF 35V	

					E: For Europe
REF. DESIG.	U	C C	/. E	PART NO.	DESCRIPTION
C805	1	1	1	EA3370509	Electrolytic Cap, 330µF 50V
C806	1	1	1	EA4770169	Electrolytic Cap, 470µF 16V
C807	1	1	1	EA4750509	Electrolytic Cap, 4.7µF 50V
C808	1	1	1	EA4760169	Electrolytic Cap, 47µF 16V
C809	1	1	1	EA2270109	Electrolytic Cap, 220µF 10V
C810	1	1	1	DK1810351	
H801	1	1	1	HT403302A	Transistor, 2SD330 DE
H802	1	1	1	HT313183A	Transistor, 2SC1318 P.Q.R
H803	1	1	1	HT309452A	Transistor, 2SC945 Q.R.
H804	1	1	1	HT403314A	Transistor, 25D331 C.D.E.F
H805	1	1	1	HT309452A	Transistor, 2SC945 Q.R
H806	1	1	1	HT313182R	Transistor, 2SC1318 RS
H807	1	1	1		Transistor, 2SC1318 RS
H808	1	1	1	HD2001103	
H809	1	1	1	HD3002309	Diode, WZ-071
H810	1	1	1	HD3002709	Diode, WZ-140
H811	1	1	1	HD2001103	Diode, DS131B
H812	1	1	1	HD2000321	Diode, 1S2471
1.001	1	1	1	LY2024006	Relay MY 2 24V
L801	'		'	L12024000	Relay, MY 2 24V
J801					
. ₹	1	1	1	YP1000113	Plug
J810					
J001	1	1	1	YT0101003	Terminal, Ground
J001	1	i	1	YT0201009	Terminal, Quad Out 1P
J003	1	i	1	YT0204008	Terminal, Phono Aux 4P
J004	1	1	1	YT0208006	Terminal, Tape 1.2 8P
J005	1	1	1	YJ0100081	Jack, Dubbing In
J006	1	1	1	YJ0100098	Jack, Dubbing Out
J007	1	1	1	YL0103018	Terminal, Dubbing 3P
J008	1	1	1	YJ0800019	Socket, Meter Lamp
J009	1	1	1	YJ0800019	Socket, Meter Lamp
J010	1	1	1	YT0204011	Terminal, Pre-Main
J013	1	1	1	YJ0100098	Jack, Head Phone
J014	1	1	1	YT0304012	Terminal, Main Speaker
J015	1	1	1	YT0304012	Terminal, Remote Speaker
J016	1	1	1	YJ0500019	Socket, TR Socket
J017	1	1	1	YJ0500019	Socket, TR Socket
J018	1	1	1	YJ0500019	Socket, TR Socket
J019	1	1	1	YJ0500019	Socket, TR Socket
J020	1	1		YJ0800012	Socket, Fuse Holder
J021	1	1	1	YJ0400048	Socket, Socket, Outlet
J022	1	1	1	YJ0400048	Socket, Socket, Outlet
J027	1	1	1	YJ0600019	Socket, 7P Tone Pre.
M001	1	1	1	IM1104203	Meter, Signal
M002	1	1	1	IM1104202	Meter, FM
M003	1	1	1	IN1008007	Lamp, Meter Lamp
M004	1	1	1	IN1008007	Lamp, Meter Lamp
R001	1	1	1	RM0254022	
R002	1	1	1	RS0504002	1
R003	1	1	1	RC1047012	
R004	1	1	1	RT0510414	100/ 1/14/
R005	1	1		RC1022512	
R006	1	1	1	RT0510514	
R007	1	1	1	RT0510514	
R008	1	1	1	RT0543214	Resistor, 4.3K ±5% %W
C001	1	1	1	DK1810301	Ceramic Cap, 0.01µF 50V
C002	1	1	1	DK1840301	Ceramic Cap, 0.04 50V
C003	1	1	1	EA3360109	Electrolytic Cap, 33µF 10V
ì	1		1	1	1

C:	For	Canada
⊏.	For	Furone

REF	E OTY		,			
DESIG.	U C E			PART NO.	DESCRIPTION	
C004	1	1	1	EC1090502	Electrolytic Cap, 10000μF 50V	
C005	1	1	1	EC1090502	Electrolytic Cap, 10000µF 50V	
C006	1	1	1	DK1810301	Ceramic Cap, 0.01μ F 50V	
C007	1	1	1	DK1810301	Ceramic Cap, 0.01µF 50V	
C008	1	1	1	DK1810351	Ceramic Cap, 0.01µF 500V	
C009			1	DF1722380	Film Cap, 0.02μF 1000V	
L001	1	1	1	LF1120038	Ant. Coil, AM	
L002	1	1	1	LC1332002	Choke Coil, 3.3μH	
L003	1	1	1	LC1332002	Choke Coil, 3.3µH	
L004	1	1		TS6140501	Power Transformer Power Transformer	
L004			1	TS6140502	Power Transformer	
S001	1	1	1	SR1006015	Rotary Switch	
S002	1	1	1	SP0201015	Push Switch, Power	
G001	1	1		BF1040002	Brinted Comp	
Goot	'	'		BF1040002	Printed Comp.	
H001	1	1	1	HT313431B	Transistor, 2SC1343 B.C	
H002	1	1	1		Transistor, 2SC1343 B.C	
H003	1	1	1	HT313431B	Transistor, 2SC1343 B.C	
H004	1	1	1	HT313431B	Transistor, 2SC1343 B.C	
H005 H006	1	1	1	HV0000212 HV0000212		
H007	1	1	1	HD2001705		
11007	'		'	1102001703)	
F001	1	1		FS1050004	Fuse, 5AUL	
F002		1		FS2050091	Fuse, 5AUL	
F001	1	1	1	FS1050005	Fuse, 5A	
W001	1	1		YC0240010	AC Cord	
W001			1	YC0190003	AC Cord	
					PR01 FUSE BOARD	
PR01			1	YD2871003		
''''			1	ZZ2871803	P.W. Board Assembly	
					,	
JR01						
\ \			1	YJ0800020	Jack	
JR08						
JR09						
			1	YP1000099	Plug ·	
JR16						
FR01			1	FS1040090	Fuse	
FR02		1	1	FS1040090 FS1010090		
FR03		1	1	FS1010090	Fuse	
FR04			1	FS1040090	Fuse	
1000				VI 04 0000 1	Townsia at	
J023			1	YL0106004	Terminal	
	1	1	1	292885501	Service Manual	
1						
1						
	1					
1	1	1	1	1	Į.	

68K 68K 100K 100K 3.9K	100K 100K 100K 14W 14W	(B)
d Assembly Resistor, Resistor, 68K 68K 100K 100K 3.9K	y 100K 100K ¼W ¼W	(B) (B) ±5%
Resistor, 68K 68K 100K 100K 3.9K	100K ¼W ¼W	(B) ±5%
100K	¼W ¼W ¼W	±5% ±5% ±5% ±5% ±5% ±5%
ic Cap., ic Cap.,	1μF 1μF 1μF 1μF	25V 25V 25V 25V
1 in in in	3.9K 3.9K 100K 100K c Cap., c Cap., c Cap., c Cap.,	100K ¼W 100K ¼W 3.9K ¼W 3.9K ¼W 100K ¼W 100K ¼W 100K ¼W c Cap., 1μF c Cap., 1μF c Cap., 1μF c Cap., 1μF

SERVICE INFORMATION FOR EUROPEAN MODEL

The information contained herein includes rear panel and main chassis component locations, voltage conversion, schematic diagram and technical specifications. For the alignment procedures, test equipment, and repairing hints, refer to the original service manual.

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TECHNICAL SPECIFICATIONS

Amplifier Section:

Total Harmonic Distortion)
Damping Factor	at Rated Power	5
Preamplifier Section:		
	Dynamic Range is the ratio in dB of the phono input overload to equivalent input noise.	3
Equivalent Input Noise Input Overload	1.5 μ\	
	er output) 	

Main In	1.5 V ±1.0 dB
Input Impedances 47 Phono 47 Aux or Tape 100 Main In 30 Tape Output Level Ref.: 7.75 mV at phono input Signal to Noise Ratio	K ohms
Aux InputPhono Input	85 dB 75 dB
Tone Controls Bass: 100 Hz Tone Mode a 250 Hz Mid: 700 Hz Treble: 10 kHz Tone Mode at 4 kHz	±10 dB ± 3 dB ± 7.5 dB ±10 dB ± 3 dB
FM Tuner Section:	
IHF Usable Sensitivity Sensitivity (DIN) Selectivity (alternate carrier)	. 2.1 μV
Quieting Slope RF Input for 30 dB Quieting Quieting at 5 μ V RF Input Quieting at 10 μ V RF Input Quieting at 50 μ V RF Input Quieting at 50 μ V RF Input Quieting at 50 μ V RF Input	55 dB 60 dB
Total Harmonic Distortion Mono: Stereo: Capture Ratio Stereo Separation at 1 kHz Spurious Rejection Image Rejection IF Rejection. AM Suppression	0.4% 1.5 dB 40 dB 95 dB 70 dB 90 dB
AM Tuner Section:	
Sensitivity	20 μV
General:	
Power Requirements	
Idling Power (Volume Control at zero)	35 Watts
Panel Width	43.1 cm 13.6 cm 35.6 cm
Weight: Unit Alone Packed for Shipment	15.3 kg 18.3 kg

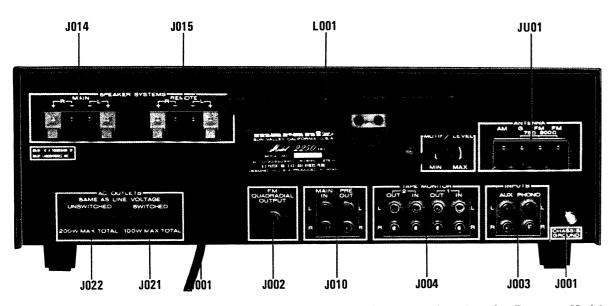


Figure 24. Rear Panel Adjustments and Component Locations for European Model

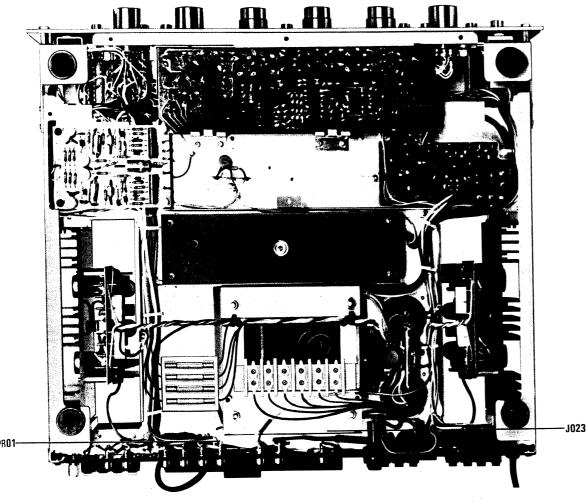


Figure 25. Main Chassis Component Locations (Bottom View) for European Model

VOLTAGE CONVERSION

This Model is equipped with a universal power transformer to permit operation at 110, 120, 220 and 240 V AC 50/60 Hz.

To convert the unit to the required voltage, set the plug as illustrated so that you can adjust the voltage as required.

CAUTION: DISCONNECT POWER SUPPLY CORD FROM AC OUTLET BEFORE CONVERTING VOLTAGE.

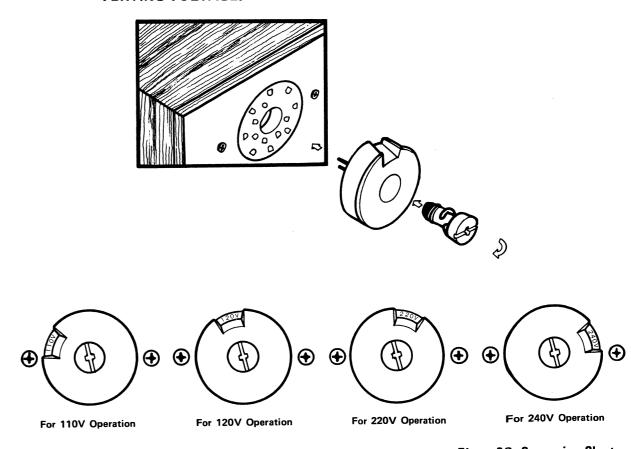
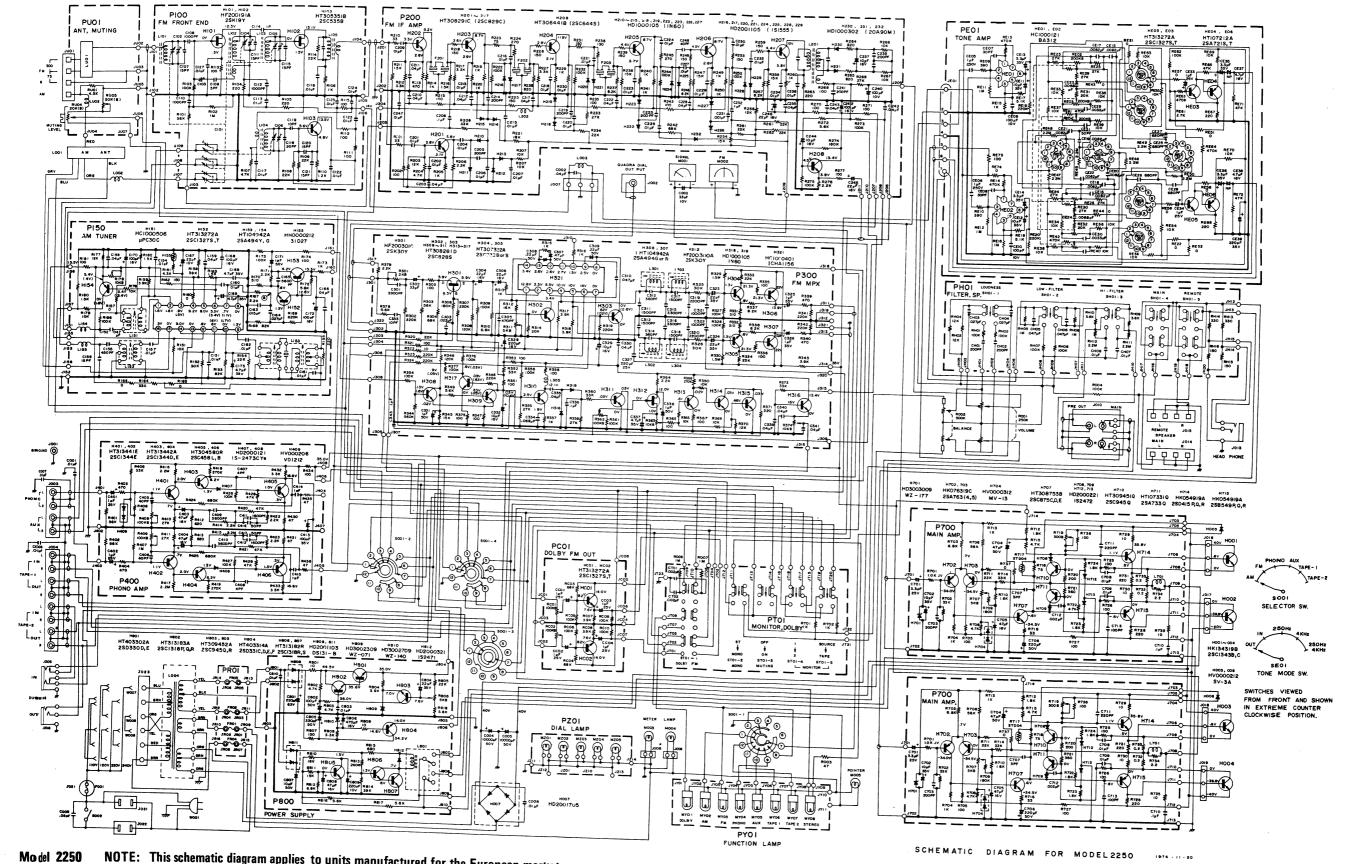


Figure 26. Conversion Chart



NOTE: This schematic diagram applies to units manufactured for the European market.

Figure 27. Schematic Diagram for European Model

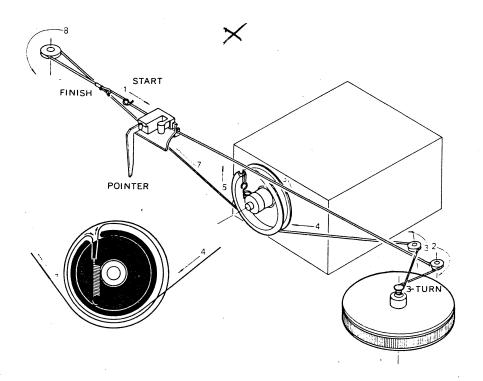


Figure 1. Dial Stringing